

- 1 -

Figure 1

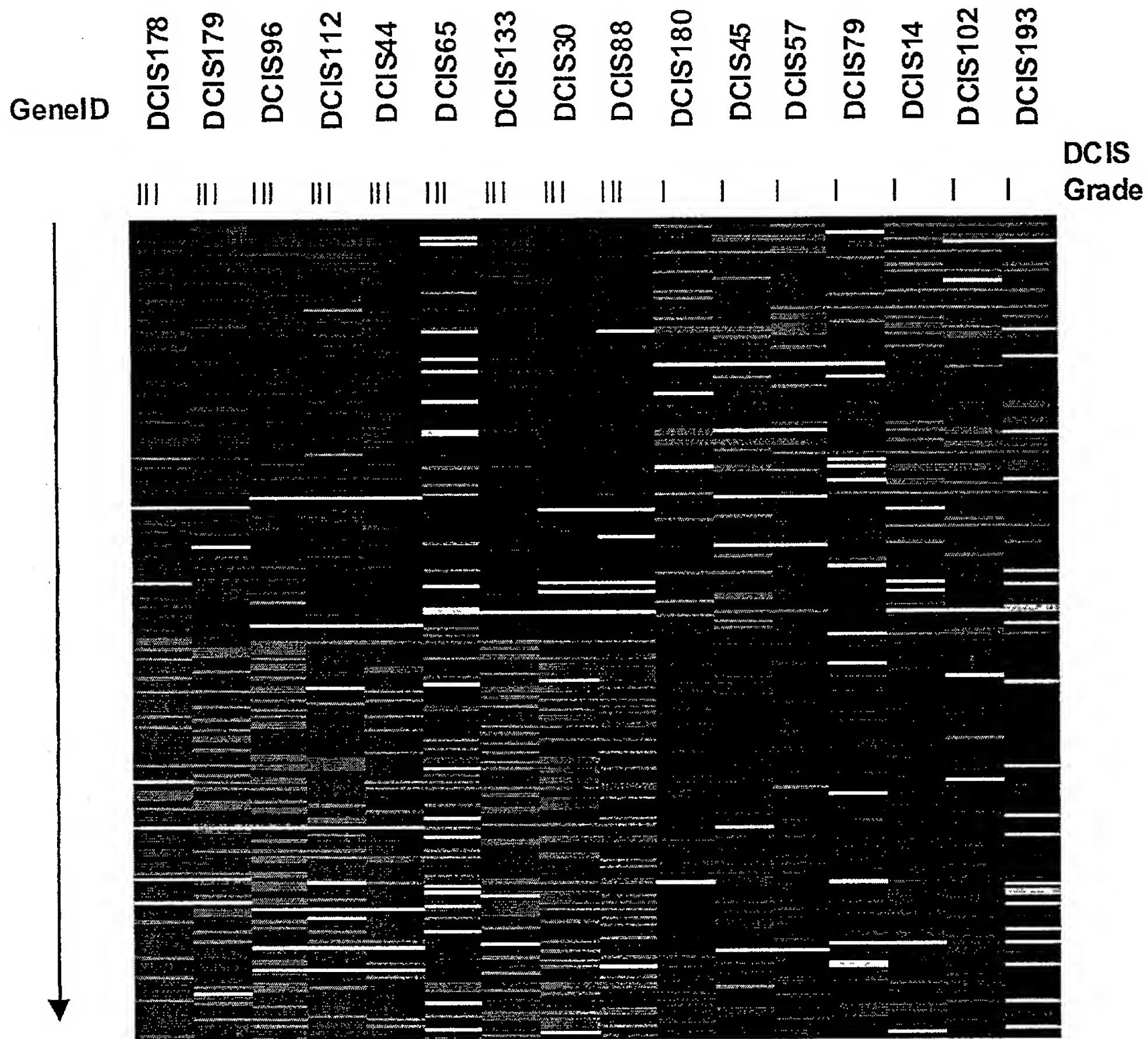
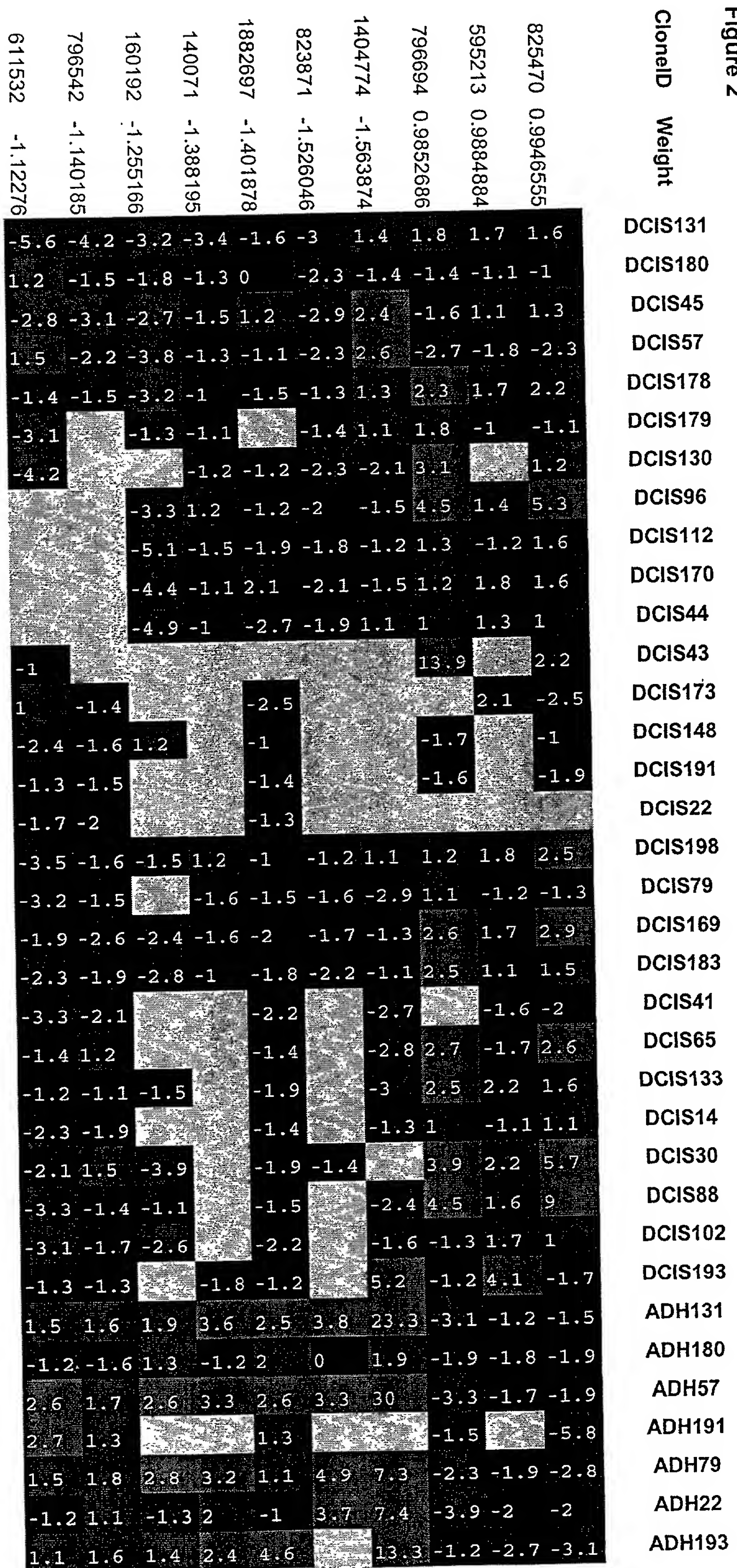


Figure 2



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Figure 3
ADH v. DCIS

CloneID	Weight																					
1404774	1.1055075	-3.6	-5.4	-2.2	-3.4	2.7	-2.2	-2.9	1	-1.2	-1.4	-1.7	-3.5	-5.6	-4.2	-3.2	-3.4	-1.6	-3	1.4	DCIS131	
823871	1.0793322	-1.5	-3.5	-1	-1.1	-1.1	1.2	-4	-1.4	-1.6	-1.7	-1.3	-2.3	1.2	-1.5	-1.8	-1.3	0	-2.3	-1.4	DCIS180	
1882697	0.9912377	-1.6	1.7	1.5	-2.7	-1.1	-1.1	-2.3	-1.9	-2	-2.2	-1.8	-3.2	-2.8	-3.1	-2.7	-1.5	1.2	-2.9	2.4	DCIS45	
140071	0.981444	2.7	1.7	1.4	1.9	-1	-1.6	-2.9	-2	1	1.3	-1.2	1.5	-2.2	-3.8	-1.3	-1.1	-2.3	2.6	DCIS57		
160192	0.8881361	-3.1	-4	1	1.7	-1.9	-2.1	-2.2	-3.8	-1.5	1.2	-1.2	-1.3	-1.4	-1.5	-3.2	-1	-1.5	-1.3	1.3	DCIS178	
796542	0.8065473	-1	-3.3	2.5	1.3	-1.4	-4.8	-2.9	-2.1	-1.4	-2.3	-1.2	-3.1	-1.3	-1.1	-1.4	1.1	DCIS179				
611532	0.7940887	-3.8	-3.5	-2	-1.7	1.7	-2.5	-3	-1.4	-3.9	-1.3	-2	1.1	-4.2	-1.2	-1.2	-2.3	-2.1	DCIS130			
1473274	0.7192163	-3.6	-8.3	-1.5	-2.1	1.2	-3.8	-4.4	-1.6	-1.3	-1.1	-2	-4.4	-3.3	1.2	-1.2	-2	-1.5	DCIS96			
469306	0.7124518	1.2	-2	-2.3	-1.8	-1.2	-2.3	-1.9	-1.9	-1.9	1.9	1.4	1.2	-5.1	-1.5	-1.9	-1.8	-1.2	DCIS112			
2306697	0.632874	-2.7	-2.8	-2.2	-2.2	-1.9	-5.1	-2.1	-1.8	-1.2	-1.3	1.8	-4.4	-1.1	2.1	-2.1	-1.5	DCIS170				
132857	0.6309399	-1.2	-1.9	-1.4	1	-1.4	-1.3	-2.2	-2.1	-3.3	1.1	-1.5	-3.4	-4.9	-1	-2.7	-1.9	1.1	DCIS44			
2504881	0.6203353	3.1	-1.4	1.7	1.3	-4.6	-2.5	-2	-1	-3.5	1	-1.4	-2.5	1.1	-1.6	-1.5	1.2	-1	DCIS43			
760299	0.5833731	-2.9	-1	-1.5	-4.1	-2.3	-1	-2.6	-3.5	-1.4	-2.5	-1	-1.4	-2.5	-1	-1.6	-1.5	-1.6	-2.9	DCIS173		
293819	0.579204	1.1	-1.5	1.6	2.2	-1.3	1.3	1	1.2	-2.2	-3.2	-2.4	-1.6	1.2	-1	-1.4	-1.3	-1.3	DCIS148			
130835	0.577839	1.5	-1.7	-1	1.5	-5.2	-1.6	-2	5.8	1.3	-1.3	-1.5	-1.4	-1.3	-1.3	-1.3	-1.3	-1.3	DCIS191			
66532	0.5730392	1.3	1	-6.2	-1.6	1.8	3.7	-2.9	-1.7	-2	-2.9	-1.7	-2	-1.3	-1.3	-1.3	-1.3	-1.3	DCIS22			
2499829	0.5721214	1.6	-2.8	-1	-2.4	1.1	-1.7	1.2	-2.1	-2	1.5	-2	-3.5	-1.6	-1.5	1.2	-1	-1.2	1.1	DCIS198		
85840	0.5631767	-1.6	-2.1	1	-1.6	-1.4	-1.2	-2.2	-1.3	-1.6	-1.8	1.3	1.1	-3.2	-1.5	-1.6	-1.5	-1.6	-2.9	DCIS79		
859359	0.548134	-1.4	-2.4	-2.7	-2.4	1.4	-1.4	-1.2	-1.6	1	-1.7	-1.9	-1.4	-1.9	-2.6	-2.4	-1.6	-2	-1.7	-1.3	DCIS169	
		1.2	-1.4	1	-2	1.2	1.4	-2.9	-1.8	-2.7	-1.6	-1.9	-3.6	-2.3	-1.9	-2.8	-1	-1.8	-2.2	-1.1	DCIS183	
		-1.3	1.2	1.4	-7	-1.6	-1.5	5.8	-5.5	-3.3	-2.1	-5.5	-3.3	-2.1	-2.2	-2.2	-2.2	-2.2	-2.7	DCIS41		
		1.3	1.1	-2.3	0	-1	-1.9	-6.3	1.5	-1.4	1.2	1.5	-1.4	1.2	-1.4	-1.4	-1.4	-1.4	-2.8	DCIS65		
		-1.4	3.9	-2.7	1.2	-1.6	2.6	-1.8	-2.7	-3	-1.7	-3.2	-1.2	-1.1	-1.5	-1.9	-1.9	-1.9	-3	DCIS133		
		-1.1	-1.2	1.5	1	-1.3	1.3	-6.7	1.3	-3.7	-2.3	-1.9	-3.9	-2.5	-2.1	1.5	-3.9	-1.9	-1.4	-1.3	DCIS14	
		-1	1.2	4.4	1.6	1.5	-2.4	1.5	-3.9	-2.5	-2.1	1.5	-3.9	-2.5	-2.1	1.5	-3.9	-1.9	-1.4	DCIS30		
		-1	1.9	1.3	-1.2	1.8	-1.5	1.2	-2.1	-3.3	-1.4	-1.1	-1.1	-1.4	-1.1	-1.1	-1.1	-1.5	-2.4	DCIS88		
		-1.3	-2.4	-1.8	1.1	-3.1	-1.8	1	-2.6	-2.4	-3.1	-1.7	-2.6	-2.4	-3.1	-1.7	-2.6	-2.2	-1.6	DCIS102		
		-1.3	-2	2.3	1.3	-1.7	-1	1.1	1.1	4.5	-2.5	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.2	5.2	DCIS193		
		3.5	7.1	4.2	3.6	3.2	1.9	2.5	2.9	1.6	6.8	5.6	1.4	1.5	1.6	1.9	3.6	2.5	3.8	23.3	ADH131	
		-1.1	-1.8	1.2	1.1	1.1	-1.4	-1.2	1.1	-1	-1.1	1.4	-1.2	-1.6	1.3	-1.2	2	0	1.9	ADH180		
		2.9	3.6	1.3	8.6	2.8	2.5	3.1	-1.7	1.5	8.5	15.8	2.6	2.6	1.7	2.6	3.3	2.6	3.3	30	ADH57	
		1.4	4.5	2.4	1.3	-2.3	1.1	-1.2	4	1.8	2.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	ADH191		
		3.1	2.9	2.1	3.1	1.5	2.4	2.2	1.1	-1	8.3	10.4	2	1.5	1.8	2.8	3.2	1.1	4.9	7.3	ADH79	
		-1.1	-1.8	2	1.1	1.5	1.4	1.6	1.1	1	2.5	1.9	-1.2	-1.2	1.1	-1.3	2	-1	3.7	7.4	ADH22	
		1.2	3.5	1.1	-1.3	2.8	1.7	-1.6	-1.1	1.1	1.6	1.4	2.4	4.6	13.3	13.3	13.3	13.3	13.3	ADH193		

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200814	0.542916	1.1	1.3	2.2	2.2	1.7	12	-1.7	-1.5	1.3	-1.8	1.2	-2.9	-1.8	-7.7	-4.4	-2	-4.8	-4.4	-9.8	-15.3	-7.1	28	2	3.5	-3.2	2.4	3.1	1.1
825287	0.5360981	1.3	2.2	4.5	2.2	1.7	1.7	-1.1	-1.3	-1.8	2.4	1.6	-2.5	1.1	-1.2	-4.4	-1.6	-1.4	-1.2	-1.2	-1.3	-1.3	30	1.3	15.4	11.5	-1.1	-1.1	2.4
202577	0.5305076	-1.2	-1	1.3	-1.8	1.3	-1.3	-1.7	-1.5	-1.3	1	1.6	1.8	1.6	1.2	-1.4	-2.1	-1.4	-3.4	-1.6	-1.2	1.5	2.4	1.2	2.2	1.6	3.2	-1.1	3.1
2014373	0.5296731	1.1	1.2	1.6	1.4	1.6	1.4	1.6	-1.3	1.6	-1.7	-1	1.4	1.7	-1.8	-1.4	-2.1	1.5	-2.8	-2.8	-1.8	-1.8	1.5	2.2	2.2	1.3	1.5	1.8	2.4
153760	0.527858	-2	-1.6	-2.4	-1.3	-2	-1.7	-1.3	-1.3	-1.7	-1.2	1	-5.8	-1.1	-2.4	-1.5	-4	-2.4	-1.6	-1.6	-1.8	-1.1	1.3	-1.9	1.3	2.1	-1.1	1.7	1.8
377275	0.5260562	-4.6	-2.1	-2.7	-1.4	-1.6	-1.2	-3.4	-1.6	-1	-1.9	-2	-5	-2.5	-3.2	-1.5	-1.6	-3.2	-6.9	-1.6	-1.6	-3.3	1.6	3.2	3.8	1.3	1.3	-1.8	2.2
745490	0.511874	2.4	1.3	-1.8	1.5	-1.7	1.1	-1	0	-1	1.7	2	-5	-1.1	-9.3	-3.6	-2.1	-1.2	-2.3	-10.8	-13.3	-1.1	3.4	2.7	2.7	1.1	1.4	1.4	1.3
172783	0.5101968	1.1	1.1	1.3	-1.9	1.5	-1.1	1	-1.7	-1.4	1	-2	-1.5	1.2	-2.1	-1.5	-2.1	-5.9	-1.1	-2.3	-1.7	1.1	1.2	1.6	1.4	2.7	3.8	2.1	1.5
1558108	0.4993921	5.2	3.6	7.3	6.5	1.5	2.3	-1.4	-3.3	-1.8	-1.2	-1.3	1.3	-2.5	-3.2	-3.2	-3.2	-3.4	-5.1	-1.4	-1.7	9.1	6.5	2.6	9.1	1.8	1.7	1.1	2.6
1587710	0.4981132	-1.2	-1.2	-1.2	-1.2	-1.2	-2	-1.4	-3.3	-1.8	-1.2	-1.1	-1.2	-1.5	-1.1	1.2	-1.7	-1.7	-5.1	-3.9	1.1	1.1	1.1	1.1	1.1	1.8	1.7	1.1	1.3
141731	0.4927666	1.1	1.3	1.5	1.5	1.5	-1.2	1	-1.5	-1.7	-1.7	-1.6	-1.3	-2.2	-1.6	-2.6	-2.3	-1.9	-1.6	-2.3	-1.2	1.5	1.9	1.5	2.1	1.5	-1.3	2.6	1.5
490484	0.4908894	-1.9	-1.2	5.5	2.8	2.8	4	-1.3	-7.6	-1.5	-1.4	-2.5	1.8	1.8	-1.4	2.9	-4.6	1.8	-5.5	-2.3	2.7	4	4	1.1	6.8	2.4	1.4	2.1	2.1
504959	0.4895268	-1.3	2	5.8	3.1	3.1	-4	-1.6	-7.6	-1.9	-5.5	-2.5	1.8	1.8	-1.4	2.9	-4.6	1.8	-5.5	-2.3	2.7	4	4	1.1	6.8	2.4	1.4	2.1	2.1
1609746	0.4833836	1	1.1	-1.2	1.6	1.6	-1.3	1.4	-1.4	-1.3	-1.4	-1.4	-1.4	-2.8	1.5	-1.5	1.5	-1.6	-2.5	-2.3	-1.7	2	2	1.3	6.8	2.4	1.4	1.5	1.5
882248	0.4827533	-1.4	-1.2	-1.2	1	1	1.1	-1.6	-3.3	-1.4	-1.6	-2.5	1.8	1.8	-1.4	2.9	-4.6	-2.5	-1.8	-2.3	-2.3	4.4	3.7	1.1	2.4	1.2	1.4	1.5	1.5
1917449	0.4814638	-2.3	-1.4	-1.5	1.6	1.6	-1.3	1.4	-1.4	-1.3	-1.4	-1.4	-1.4	-2.8	1.5	-1.5	1.5	-1.6	-2.5	-2.3	-1.7	2	2	1.3	6.8	2.4	1.4	1.5	1.5
2119838	0.481371	1.2	1.1	2.8	-1.5	2.8	-1.3	-2.1	-1.4	-1.5	-1.8	-1																	
841507	0.4784381	-1.1	1.2	-1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
813265	0.4778069	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4
767202	0.4743393	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8
1156538	0.4736984	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
39600	0.4711421	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1	-11.1
1630990	0.4703594	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

[illegible]

41208	0.4698129	-2.1	-1.8	-1.7	1.3	-1.1	-1.6	-1.1	-1	-1.6	-2.6	-3	-1.4	-1.1	-1.1	-1.2	1.2	-1.1	-1.6	1	1	-1.1	1.2	-1.2	1.2
322561	0.4620063	3.5	-1.5	-1.5	-1.6	-1.4	-1.1	-1.4	-1.1	-1.1	1.1	-3	-1.2	-1.2	-1	-1.3	-2.2	1	-1.3	-2.1	-1	-2.6	-1.7	-1.3	-1.9
951008	0.4611936	-1.3	-1.3	-1.5	-1.6	-1.3	-1.4	-1.1	-1.2	1	2.5	1	-1.2	-1.2	-1.2	-1.3	-2.2	-1.6	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2
841308	0.4601052	-3.4	-2.5	-1	-1.1	-1	-1.1	-1.1	-1.2	-1.1	3.8	-1.8	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
119290	0.4600804	-2.8	-1.4	-1	-1.3	2	-1.3	1.3	-1.2	-2.2	-2.5	-1.1	-2	-1.6	-1	-1.6	-1	-1.6	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
344959	0.459756	2.1	-2	2	6.4	-1.3	-1.3	-1.3	1.2	3.2	-2.8	-1.8	1.2	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8
810331	0.4595986	-2.2	-1.7	-2	-1.9	-1.3	-1.9	-1.3	1.1	1.8	1.2	-1.2	-6.3	-2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
1161775	0.4580465	-1.1	-1.4	-1.5	1.2	-1.2	-1.5	1.4	-1.2	-1.2	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	
625399	0.4580244	1	-1.3	-1.2	1.3	-1.2	-1.7	-1.4	1.1	1	-1.1	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	
1470657	0.4570216	-1.1	-1.3	-1.4	-1.2	-1.4	-1.5	-1.7	-1.5	-1.5	-1.1	-4	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	
160609	0.4567458	-4	-2.2	-2.5	-2.1	-1.3	-1.3	-1.3	-1.4	1	1.3	-2.8	-1.1	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	
665356	0.4529231	1.2	2.9	-1.9	-1.7	-2.1	1.3	-1.3	-1.4	1.3	-2.8	-3.7	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	
1584540	0.4526945	-1.2	-2.7	-2.3	-1.9	-2.4	-1.7	-1.7	-1.5	-1.5	1.3	-2	-3.4	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	
726779	0.4508282	-2.1	-1.1	-1.2	-1.9	-1.2	-1.3	-1.3	1.2	-1.6	1.5	-3	-2	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	
296123	0.4496525	-1.2	1.1	-2.7	-2.3	-1.9	-1.7	-1.7	-1.5	-1.5	1.3	-2	-3.4	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	
190059	0.4479395	-3.3	1.4	1.1	-2.7	-1.2	-2.5	-1.6	-1.2	-1.9	1.7	1.5	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	
1471829	0.447478	-1.4	1	1.2	1.1	1.5	-1.6	-1.2	-1.2	-1.2	-1.6	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	
2056139	0.4456196	-2.5	1.9	-2.3	-2.3	-1.2	-1.8	-1.2	-1.8	-1.8	-3.8	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	
190753	0.4439462	-1.4	1	1.2	1.1	1.5	-1.6	-1.2	-1.2	-1.2	-1.6	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	
1968422	0.4439056	-1.1	1.6	1.2																					

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859192	0.4023529	-1.7	-3.3	-2.2	-1.3	-1.6	-2.5	-1.4	1.1	-2.9	-1.7	-1.3	-2	-1.2	-1.6	1.1	-1.7	-1.3	-1.4	-1.1	1.2	-3.4	1.7	-1.2	-1.5	
712023	0.3999513	1.2	-1.9	-1.7	-1.7	-1	1.4	1.1	1.2	1.5	-1.8	-1.1	-2.2	1.3	-1.4	-2.1	1.2	1.3	1.3	1.4	1.4	-1.1	1.5	1.4	1.3	
855586	0.399902	-1.8	1.6	1	-1.6	-1	1.3	1.1	-2	-1.4	1.2	1.1	-1.3	-1.1	1.1	-1.6	-1.6	-1.2	1.3	-1.9	-1.7	-1.1	-1.5	1.1	-1.5	
52419	0.3992954	-1.3	4.3	2.4	1.7	1.5	1.5	-1	1.1	-1.3	2.6	-1.1	1.1	2	1.3	1.1	1.5	1.6	-1	-1.6	1.3	-1.4	-1.1	1.2	-1.1	
432072	0.398966	-2	-2.9	-2.9	-1.7	1	-1.4	-1	-3.5	1.1	-1.2	1.1	-1.3	-1	-1.7	1.4	-2.3	-2.8	1.3	1.2	-1.8	-1.4	-1.1	-1.4	-1.1	
1897947	0.3970589	1.1	1.7	-6.1	-1.2	-1.9	1.6	1.9	-1.6	1.4	-1.6	-1.4	-1.9	2.1	1.2	1.6	-1.1	-1	-1.1	1.1	1.5	-1.4	1	-1.4	1	
727229	0.3968594	-1.3	-1.7	-2.9	1.1	-1.6	-1.8	-4.6	1.3	-2	-2	-1.2	1.8	-1.2	-2	-1.7	-1.5	-1.3	-1.8	1.1	-2	-4.5	-1	1.1	1.1	
810358	0.3950449	-7.2	-5.7	-3.4	2	-1.5	-1.3	-2.3	-2	-2.5	-1.5	-1.1	-1.9	-2.3	-1.9	1.9	-3.6	-2.1	1	-1.1	-1.1	-1	1.2	-1	1.2	
154600	0.394675	-2.3	-1.4	-1.6	1.3	-1.4	-1.5	-2.1	-3.9	-1.7	-1.3	-2.6	-1.5	-1.9	1.1	1.3	-2.5	-1.2	-1.3	-1.2	0	-1.8	1.1	-1.8	1.1	
755855	0.3946204	-1.7	-7.1	-2.9	-1.3	-1.3	-1.4	-1.4	-3.5	1.5	-1.5	-1.4	-1.9	-1.2	1.7	2.8	-1.3	-1.1	-1.6	-1.2	-3.1	2.5	1.1	1	1	
323780	0.394052	-3.9	-1.3	-2.1	-1.1	-2	-2.1	-2.6	-3.1	-2.9	1.5	-1.9	-1	-3.1	-1.4	-1.1	-3.9	-1.3	-1.3	-1.1	-2.5	1.1	1	1	1	
230560	0.3939731	2.9	-1.8	1.5	1.5	2.4	2	3.5	1.7	5.2	1.9	-1.3	-2.4	-1.6	1.4	1.2	2	-2.4	5.5	-1.9	-3	-1.1	-3	-1.1	-3	
283173	0.3931281	1.7	1.3	1.4	-1.2	-1.7	1.3	1.2	-1.4	1.2	1	-1.2	-3	-1.3	1.1	-1.3	1.3	-1.4	-2	-1.2	1.3	-1.2	1.3	-1.2	1.3	
265853	0.3928079	0	-1.7	1.2	-1.5	1.3	1.1	1	-1.4	-1	-1.4	1.2	-1.2	2.1	-1.2	2	1.5	-1	1.2	-2.1	-1	-1.5	-2.3	-1.5	-2.3	
161456	0.3905569	-1.2	2.7	1.3	5.5	-1.6	1.8	2.6	1.8	-1.1	1.1	-1.2	1.8	1.2	-1.1	-1	1.5	1.3	1.5	-2.8	-1.1	-1.1	-1.3	-1.1	-1.3	
184022	0.3904773	1.9	1.6	3.5	3.6	1.6	1.1	-1.3	1.2	-1.1	1.3	1.6	1.6	1.2	-1.1	-1	1.5	1.3	1.5	-2.8	-1.1	-1.1	-1.3	-1.1	-1.3	
1636523	0.3888353	1.4	-1.6	-1.3	3.3	-1.3	1.3	-2.8	-1.6	-1.7	-1.1	1.4	-1.1	-1.3	-2	-1.6	-1.7	1.2	-1	1.3	-1.4	-2.7	1.1	-1	-1.3	
795730	0.3887336	-1.3	3.1	-1.4	2.7	-1.1	0	0	1	-2.6	-1.7	1.1	-1.9	-1.1	1	1.1	1.6	1.7	1.2	-3.9	1.1	-1.2	1.1	-1.2	-1.2	
1631682	0.3886488	-2.6	-1.6	1.7	-2.8	-1.9	-1.3	-5.5	1.1	-2.1	-1.7	-1.8	-1.7	1	-2.4	-2.3	-1.7	-1.8	-1.4	1.1	1.7	-3.1	-1.1	1.1	-1.7	
811837	0.3879744	-1.7	-4.8	-6	-1	-1.8	-2.2	-2.2	-1.1	-1.4	-1	-1.5	-1.2	-1.3	-1.6	-1.4	-1.8	-2.1	1.1	2.2	-1.8	-1	-2.1	-1	-2.1	
854763	0.3848391	-1.1	2.9	2.2	1.1	1	2.1	1	-1.4	1.4	-1.9	1	1.1	1.1	-1.5	1.4	1	1.1	-2.4	1.2	2	1	-1.5	-1.5	-1.5	
50562	0.3845986	-1.4	-2.6	-4.5	-2.2	-3	-7.7	-1.3	2.2	-1.3	-1.9	-1.8	1.1	1.4	-1.6	1.2	-1.9	1.1	-1.9	-2.7	-6	-1.3	-1.3	-1.3	-1.3	
46843	0.3840151	-1.7	0	2.4	-1.2	-2	-3.1	1.2	-1.1	-2.4	-1.7	1.1	-1.7	-2.2	-1.7	-2.3	-2.5	-1.1	1.1	-1.3	-3.8	-1.6	-4	-1.3	-1.3	
178137	0.3838396	-1.3	1	-2.4	2.8	1.1	1.1	-1.1	-1.2	-1.1	-1.1	-2.6	-1.3	10.1	-1	-1.6	1	-1	1.3	-2	-1.2	-1.2	-2	-1.6	-1.5	
		-1.2	-2.6	3.4	-12.6	-2.8	-3	1.3	1.6	-1.7	-1	-1.4	-1.6	-1.5	-2.3	1.1	-1	-1.6	-1.8	1.7	-6.2	-1.5	-1.4	-1.1	-1.1	
		-1.2	-1.8	2.6	2	-2.1	-4.3	1.1	1.3	-4.5	-1.6	-1.2	-1.6	-1.1	-1.2	-1.1	-1.8	-1.2	-1.4	-1.6	-1.3	-2.3	-2.6	1	1	
		-1.9	2.5	-1.1	1.6	-2.6	-1.8	1	1.4	1.8	-1.2	-2.2	-1.5	1.1	-1.8	-1.8	1	-1.1	1.2	-1.7	-1.4	-4.6	-2.2	-2.2	-2.2	
		-1.2	3.3	3.1	-1.1	-1.3	-1.1	-1.1	-1.4	1.3	-1.3	1	1.1	-1.3	-1.7	1.9	-1.1	1.1	-1.4	1.3	2.3	1.3	-2.3	-2.3	-2.3	
		1.7	1.2	3.7	1.5	1.2	-1	2.8	2	1.1	1.7	1	1.5	1.7	1.1	2	1.1	-1.2	1.4	1.2	2.4	-1	1.4	1.1	1.4	1.4
		1.4	1.3	-2	-1.5	1.2	1.2	1.3	-1.1	1.7	-1.1	1.4	-1.4	1.5	-1.6	0	1.5	-1.1	1.2	1.3	1.5	1.2	1.4	1.4	1.2	
		1.3	3.5	4.3	3.8	-1.2	1.5	1.2	1.9	1.2	2.2	1.6	1.3	2.6	1.4	1.9	1.9	1.3	1.7	-1.3	1.3	-1.6	2.1	-1.6	2.1	
		1.7	3.1	2.5	4.9	2.3	1.8	2.7	2	-1	-1.7	2.3	5.8	2.5	2.4	2.1	1.3	1.1	2.1	5.3	1.4	-1.6	2.1	-1.6	2.1	
		-1.5	3.1	2.4	2.6	-1.2	1.5	1.2	1	-1	-1	2.6	-1.2	-1.2	-1.2	1.1	1.9	1.1	1.6	1.2	1.4	2.1	1.3	1.2	1.1	
		1.2	-1	2	1.4	1.5	-1.3	-1.1	-1.3	-1.3	1.5	-2.2	-1.1	3.4	-1.1	-1.1	1.2	1.2	1.5	1.1	-1.2	-2.8	2.4	1.1	-1.3	
		1	1.3	5.2	-1.2	1.2	1.8	1.4	1.1	1.4	-1.7	1.6	2.9	1.5	-1.2	2.4	1.2	1.1	2.4	1.1	1.2	0	1.7	1.7	1.7	

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66406	-0.6236816	1.1	2.1	-1.1	1	-1.6	1.3	4.3	-0.5842381	782513	-0.5787071	839682	768377	2309073	789376	196992	785707	1505038	869375	109221	345787	46248	79520	469383	509588	292936	686172	788655
-0.6164946	785840	-0.6121013	210862	84295	-0.5988522	429182	-0.5919532	705064	-0.5722398	768377	-0.5704492	2309073	-0.5581699	789376	-0.553234	196992	-0.5509138	-0.5442718	-0.5426562	-0.5412363	-0.5295463	-0.5283572	-0.5278325	-0.5268638	-0.5220236	-0.520002	-0.5195435	-0.5152008
1.1	2.1	-1.1	1	-1.6	1.3	4.3	-0.5842381	782513	-0.5787071	839682	768377	2309073	789376	196992	785707	1505038	869375	109221	345787	46248	79520	469383	509588	292936	686172	788655		
-1.7	-1.2	-1.6	-2.9	-3.8	1.1	-1.5	1.1	-1.5	-1	-1.9	-1.2	-2.1	-1.2	-1.3	-1.1	-1.3	-1.1	1.3	1.6	-1.6	-1.1	0	-1.1	-1.1	1	1	-1.4	1.7
1.1	1.1	-2	-1.9	-1	-1.5	-1.7	1.2	-1.7	-1	-1.3	-1.6	1.1	1.2	1.9	2.1	1.8	1.2	1.2	-1.9	-1.3	-1.2	-1.1	-1.1	-1.1	1.5	1.8	1.6	2.2
-1.5	-1.6	-1.4	-2.2	-1.4	-1.4	-1.4	1.2	-1.7	-1.3	-1.6	1.7	1.6	-2.4	-1.6	-1.5	-1.6	-3.6	1.2	4.2	-1.2	-1.4	-2	1.4	1	-2.1	-1.8	1.2	1.1
1.4	1.7	1.4	3.9	2.5	1.8	1.7	1.6	2.1	-1.3	-1.6	1.7	1.6	1.2	1.9	2.1	1.8	1.2	1.2	2.5	1.1	3.1	-2	1.4	1	1.5	1.8	1.2	1.1
1.1	1.1	-1.2	-1.1	-1.1	-1.2	1.3	1.8	-1.4	1.9	-1.3	2.5	-1	-1	2.3	-1	-1.1	1.4	-1.2	1.3	-1.2	1.6	1.3	-1.2	1.9	-1	-1.2	1.2	1.2
8.4	-1	1.7	-2	1.1	2.3	1.1	2.3	1.5	7.9	1.9	2.3	1.1	1.8	1.8	1.8	-1	1.8	1.3	5.7	2.6	3.8	2.7	2.1	2	2	5.3	-1.3	-1.3
1	2.5	1.6	1.2	1.6	1.4	1.8	3.3	1.6	1.6	3.3	2.6	2.5	-1.8	-1.4	1.2	1.9	-2.2	1.2	1.6	1.6	-1.2	1.3	1.3	-1.2	-1	1.9	-1.4	-1.4
1.3	-1	1.4	-1.2	-1.2	2.1	2.1	2.1	2.1	1.5	2.6	2.1	-1.2	-1.8	-1.4	1.2	1.1	1.4	1.1	1.4	1.1	1.4	1.3	1.6	1.3	1.4	2	1	1
1.3	1.7	2.4	1	1	2.1	2.1	2.1	2.1	1.3	1.8	2.4	-1.2	1.3	1.6	-1.1	-1.1	1.3	1.8	1.8	1.1	3.4	2.9	1.8	1.7	1.4	2.6	1.1	1.1
4	-1.4	2.9	2.9	4.4	11.4	11.4	11.4	11.4	-1.3	7.6	7.6	1.5	-1.7	-1.7	-1.7	-1.7	-1.6	1.7	3.4	3.6	3.4	6.8	1.1	1.1	5	1.2	1.2	1.2
-2.6	-2.2	-1.3	-1.3	-2.2	-2.9	-2.9	-2.9	-2.9	-1.2	-1.6	-1.6	-1.2	-1.7	-1.7	-1.6	-1.4	-1.2	1.7	1.8	-1.4	1.8	1.7	2.8	1.7	-1.8	3.6	2.7	2.7
-1.6	-1.2	-1	-1.4	-1.8	-1.9	-1.9	-1.9	-2	1.1	1.1	1.1	1.4	2.3	1.4	1.3	-1.3	-1.3	2.1	-1.3	-1.3	1.2	1.6	1.6	1.1	1	1.7	1.5	1.5
-2.3	-2.2	1	-2.2	2.6	-1.5	-1.1	-1.1	-1.1	-2.9	-2.9	-1.6	-1.6	-2.9	-1.6	-8.3	-2.6	3.6	-1.1	-2.3	-2.5	2.7	2.7	-2.1	-1.8	1.1	-1.9	1.1	0
-1.2	-1.2	3.7	3.7	2.1	-2.4	-1.2	-1.2	2.6	1.7	1.7	-1	-1	2.6	-1	1.7	1.7	1.1	1.1	1.5	-2.7	1.8	1.1	1.3	1.1	-1	1.9	-1.1	-1.1
2.1	1.4	1.2	1.2	-1.5	-1	-1.5	-1	2.6	1.1	1.3	2.6	-1	1.1	1.6	-1.2	1.1	-2	-1.1	1.7	1.1	1.6	-1.1	1.9	1.1	1.1	-1.2	-1.2	1.2
1.5	1.3	0	-1.4	-2.1	-1.1	-1.1	1.3	1.4	1.3	1.3	1.3	-1.1	-1.3	1.1	1.2	1.1	-1.7	-1.1	-1.3	-1.4	-2	1.3	1.3	1.1	2.2	1	1	-1.2
2	2	1.9	1.9	1.9	1.3	1.3	1.3	2.3	1.3	1.3	1.3	1.8	2.3	1.3	1.4	1.4	1.3	3.4	2.1	1.3	1	1	1.1	1.1	1.9	1.2	1.1	1.8
1.5	1.7	1.5	2.5	1.7	1.4	1.4	1.4	2.5	1.4	1.4	1.4	-1.1	-1.1	1.6	1.4	1.5	1.6	2.5	1.5	1.6	1.6	1.4	1.1	1.1	1.2	3.4	1.4	-1.3
-2.2	3	1.4	1.8	1.2	-1.4	-1.4	1.2	1.2	1.5	1.6	-1.3	1.5	1.6	1.5	2.1	1.1	-1	2.1	-2.1	-2	1.3	1.3	1.6	1	1.3	-1.8	1.9	1.4
2.7	2.3	1.3	2.3	1.5	3.4	1.5	9.4	1.7	1.6	9.4	1.7	2.7	1.7	2.7	2.7	2.3	2.7	1.8	1.8	1.8	-1.5	-1	1.3	1.4	2.1	3.2	1	1.4
2	3.2	1.6	2.9	1.9	1.4	1.9	4.8	1.1	1.5	4.8	1.1	3.7	1.1	3.7	1.7	1.8	2.1	1.7	2.4	1	2.2	1.8	2.4	3.4	1	1.8	1.3	2.5
-1.2	-1	1.4	1	1.5	1.1	1.1	-6.6	1.1	1.1	-6.6	1.5	1.1	1.5	1.3	-1.3	1.1	2.4	-1.1	-1.5	-1.1	-1.1	2.1	-1.1	1.2	1.3	-1	1.8	1.1
3.8	1.7	1.8	1.1	3.6	1.1	1.1	2.9	3.6	1.1	2.9	3.6	1.1	1.1	2.8	2.8	-1.5	2.5	2.4	2.7	1	2.8	-1.1	1.1	1.4	-1.2	8.4	-1.4	-1.5
1.6	3.5	2.3	1.1	2.4	1.1	1.1	3.3	2.1	2.4	1.1	3.3	2.1	3.7	2.9	2.9	2.2	1.9	-1.1	2.6	1.8	2.2	3.3	2.1	1.1	1.1	3.4	2.3	2.3
1.3	1.4	1.4	3.9	1.5	1	1	9.7	1.5	1	9.7	1.5	1	1	-1.3	2.7	-1	1.4	1.1	1.4	1.3	1.7	1.2	1.7	1.5	-1.7	1.5	1.3	-2
-2.9	1.1	-1.4	1.5	-1.8	-1.6	-1.7	2.9	-1.6	-1.5	-1.7	2.9	-1.6	-1.5	-1.1	-1.2	-1.1	1	-1.7	-1.7	-1.7	-2.5	1.1	1.1	-2	1.1	-1.6	1.1	-1
-1.8	-1.1	-1.6	-5	-1.4	-1.1	-1.5	-1.1	-1.9	-1.8	-1.9	-1.5	-1.1	-1.3	-1.2	-2.7	-3.9	-1	-1.6	2	-1.6	2	-1.5	1.1	-1.9	-1.2	-1.4	1.3	1
-1.5	-1.1	-1.9	-4.6	-4.1	-1.3	-2.7	-1.3	-1.9	-2.7	-1.9	-2.7	-1.3	-1.3	-2.2	-4.3	-1.8	-1.6	-4.3	-2.9	-1.1	-1.3	-1.9	-1.1	-1.1	-1.4	1.1	-2.2	-1.4
-1.9	-1.8	-1.8	-5.8	-1.7	-1.1	-1.7	-1.1	-1.4	-3.2	-2.9	-1.4	-1.1	-1.7	-3.2	-4.5	-3.5	-1.2	-4.5	-3.9	-3.4	-2	-1.5	-4.4	-1.3	-3.2	1	-1.4	-1.4
-4.4	-1.8	-1.5	1.1	-3.7	-4.4	-3.8	-4.4	-3.7	-3.8	-4.4	-3.7	-3.8	-4.4	-3.7	-10.8	-2.9	1.8	1.1	-5.9	-3.9	-3.9	-1.9	-1.9	-1.9	-1.2	-3.2	1	-1.4
-1.8	-1.7	-4.6	-1.4	-1.7	-1.8	-1.5	-1.1	-1.5	-1.7	-1.1	-1.5	-1.7	-1.1	-1.5	-1.4	-1.4	-4.7	-1.4	-1.5	-1.5	-1.8	-2.2	-1.3	-1.2	-1.2	-2.1	-1.5	-2.7
-2.8	-1.9	1.3	1.3	1.2	-2.4	-1.2	1.2	-12.5	1.2	-12.5	-2.4	1.2	1.2	-1.2	-4.1	-1.5	-1	-1.9	-1	-1.9	-1	1.4	-1	-1	-1.5	-1.4	-1.6	-1.2
-3.2	-2.5	-2.7	-1.1	-2.5	-3.2	-4.6	-1.4	-1.6	-1.2	-4.6	-3.2	-2.5	-1.6	-1.4	1.4	1.2	-2	1.4	1.2	-4.2	-4.3	-1	-1.2	-2.8	-1.2	-2.5	-1.4	-1.2

10000018 at 12:00:00

770992	-0.5150824	1.6	-2.8	1.9	1.6	1	1.5	-1	1	-1.3	-1.4	1.2	1.6	1.2	-1.8	2.2	1.3	1.2	-1.2	-1	-2.1	1.4	-1.4	-1.7
1587847	-0.513261	-1.1	-1.1	1.2	-1.7	-1	-1.2	-1.2	-1.2	-1.4	1.1	-1.5	-1.7	-1.1	1.1	-1.4	-2.3	-1.9	1	-1.2	-1.3	-2.2	-1.2	
79710	-0.5075821	1.6	1	-2.1	1.8	-1.2	1	-1.6	-1.5	1.1	1	-1.6	-1.4	1.1	-1.1	2.5	1.5	-1	-2	1.2	0	-1.5	-1.4	
2056566	-0.5015192	-2.2	-3.2	-2.3	-1.2	1	-2.2	-1.2	-2	-1.9	-1.7	1.3	-2.4	-1.1	-2.8	-1.8	-1.2	-1.9	-2.5	-3.2	-1.8	-1.7		
454339	-0.5014081	1.7	-1.1	2.2	-1.4	1.5	3.4	1.4	1.1	-1.3	1.7	2.7	2.3	1.3	1.7	1.2	-1.1	-1	1.9	1.6	1.1	-1.3	-1.4	
594226	-0.4993317	4.7	2.5	3.4	1.2	2.4	1.8	2.4	1.3	1.3	2.5	2.1	2	-1.5	1.5	1.1	-1.4	1.3	1.1	-1.4	1.9	1.3	4.1	
897813	-0.4988403	-1.3	-1	4	1.3	-1.2	3.1	2.7	-1.4	-1.2	-1.1	1.2	1.9	-1	-1	1.6	1.2	-1.5	-1.1	1.2	-1.3	1.4	1.3	
824694	-0.4978176	5.8	4.2	1.1	1	3.2	3.4	13.4	3	1.1	1.2	2.3	1.3	1.3	1.1	3.7	-1.1	1.4	1.9	1	1.5	1.3	3.3	
725454	-0.4956882	3.4	1.3	6.2	1.2	2.2	2.7	2.1	1.2	-1.4	2.3	1.6	2	1.1	-1.2	1.3	1.7	1.9	1.4	-1.2	-1.4	1.7	1.4	
79254	-0.4950892	1.6	1.1	3.6	-1.1	6.2	1.3	2.8	2.7	1	1	-1.3	1.4	1.4	-1	-1	1.3	-1.3	1	1.4	-1.6	-1.2	-1.1	
1472719	-0.4945719	2.8	1.1	3.1	1.5	1.5	2.7	2.9	1.3	1.3	2.9	1.5	1.3	-1.1	1.8	1.1	1.2	1.8	-1.1	1.5	-1.2	1.1	-1.3	
205435	-0.4930315	-1	-1	4.4	2.3	3.7	3.2	3.4	3.6	2.8	2.8	2.8	2.8	2.8	2.8	1.5	1.2	2.3	1.2	-1	1.5	1.5	1.6	
28978	-0.4920009	1.7	-3	-5.5	1.1	1.3	1.4	-2.9	-1.8	7.6	4.8	4.8	4.8	1.2	2.4	-1.1	2.3	2.7	1	1.9	-1.5	1.6	-1.7	
155806	-0.4914168	1.4	0	-3	-1.2	2.1	1.2	-1.6	-2.2	1.7	2.6	-1.4	-1.4	1.4	2.4	-1.9	0	-1	1.1	1.1	1.2	1.5	-1.7	
147834	-0.4911983	-1.6	-3.4	4.5	2.6	-1	-1.7	-2.6	1.9	-1.8	-3.3	-1.8	-1.1	-2.7	1.1	-1.9	-1.9	2.6	-1.6	-1.7	-2.5	-1.7	1.1	
26171	-0.4880202	-2.2	1.2	2.6	1.9	2.6	-1.5	-3.3	-2.2	2.3	1.7	1.7	-1.1	1.2	2.7	1	1.9	1.7	1.2	1.6	1.2	-1.6	1.6	
2322367	-0.4870426	1.1	2.6	1.6	1.6	1.1	1.1	1.4	1.5	1	1.6	-1.1	1.4	1.4	1.4	1.6	2	1.1	-1.1	1.8	1.4	1.1	-1	
769921	-0.486417	-1.4	-1.7	8.3	1.9	1.3	1	1.7	1.4	-1.2	1.2	1.3	1.5	-1.1	-1.6	1.5	-1.8	1.4	1.5	1.2	-1.2	1.2	-1.4	
73009	-0.4848016	1.2	-1.3	2.9	-1.1	1.4	-1.4	3.6	1.2	1.7	1.7	1.1	-1.1	1.3	-1.6	1.5	1.2	1.1	-2.1	-1	-1.3	1.3	-1.2	
2014034	-0.4818256	1.6	1.5	-1.2	2.2	1.7	-1.1	2.3	1.4	1.4	4.5	-1.8	2	1.1	1.4	-1.6	2	1.9	-1.1	1	1.7	1.4	2.5	
359887	-0.4813873	-3	-2	1.2	1.3	1.5	-1.1	-1.1	-1.1	1.4	0	2.6	-1.2	1.6	-1.4	-1.5	-1.2	1.1	1.8	1.5	1.4	1.1	-1.3	
488964	-0.4803612	2.2	2.3	5.8	1.5	1.2	8.2	1.7	1	1.3	4.7	2.3	2.1	9.5	2.8	1.2	-1.1	1.2	-1.1	1	1.7	1.7	1.7	
1476065	-0.4796856	2.5	5.6	1.9	1.6	2.4	1.6	2.9	1.6	1.5	2.3	1.3	-1.3	1	7.8	2.4	1.9	3	-1.6	1.6	2.6	1.5	2.2	
1422338	-0.4768719	-2.2	1.8	1.3	-1	1.4	-1.1	-1.1	1.2	1.3	2	-1.8	1.4	-1.5	1.2	-1.6	-2.2	1.3	1.1	-1.2	1.4	-1.2	1.6	
		1.6	6	1	1.1	1.1	-1.3	7.5	1.7	-1.3	1	5	-1.2	1.4	1.7	7.7	1.1	1.1	-1.2	-1.1	7.3	2.9	4.5	
		2.8	3.4	-1.1	1.8	3.1	3.5	2.6	-1.3	2.3	5.1	4.4	1.3	1	1.5	2.4	2.6	2.5	1.9	1.4	2.7	3.3	1.7	
		1.1	1.8	3.9	1.2	-1.3	-1.1	1.2	1.2	1.1	1.7	7.6	1.9	-1.3	1	2.8	1.6	1.1	1.5	1.2	1.1	1.8	1.2	
		-7.1	1.3	1.3	1.1	-1.3	-1.7	-1.3	-1	1.4	2.7	5.4	-1.8	-1.4	1.4	-1.9	-1.6	-1.4	1.3	-1.6	1.1	-1.8	-1.7	
		-1.8	-2.2	-3.1	-1.1	-1.4	1	-1.2	-1.2	-1.7	-2.1	1	-1.1	1.2	-1.6	-1.9	1.2	-1.2	1.2	-1.4	-1.1	1	-1.5	
		-1.4	-1.6	-1.7	1.2	-1.1	1	-1.9	-1.2	-1.2	-1.3	-2.5	-2.1	-1.2	-1.1	-2.5	-2	-1.9	-1.3	-1.3	-2.4	-1.4	-2.6	
		-1.5	-2.6	-2.4	-1.8	-2	-1.2	-1.7	-1.7	-1.5	-2.9	-2.1	1.1	-1.1	-1.5	-3.5	-1.5	-1.6	-1.4	-1.1	-2.3	-2.2	-1.9	
		-7.7	-1.4	2.1	1.3	-1.8	-2.8	-1.4	-3	-1.6	-1.7	-1.1	-2.3	-1.5	-2.7	-2.9	-2.2	-1.2	-2.4	-2.6	-2.7	-4.7	1.4	
		-2.9	1.2	-1.8	-1.2	-2.4	-1.2	-2.3	-1.2	-1.3	-1.2	-1.5	-1.4	-1.3	-1.3	-1.2	-1.8	1.2	-1.7	-1.6	1	-1.3	-1.3	
		-3.6	-1.5	1.3	-1.3	-1.2	-2.4	-1.4	1.5	1	-2.1	-1.1	-1.5	-1.1	-1.9	1.6	-1.3	1.3	-1.6	-1.5	1.2	-1.5	-1	
		-5.4	-3	1	-1.5	-1.5	-2.4	-2.6	-1.4	-1.8	-2	-2.2	1.2	-1.8	-1.7	-2.5	-2.4	-2.5	-2.1	1	-2	-1.6	-2.6	

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150003	-0.4484189	2.9	2.4	1.2	1.7	2.9	1.2	1.2	3.1	4.7	2.4	1.7	-1.6	2.2	1.4	1.9	0	1.9	0	-1.1	-1.1	1.4	-1.6	-1.1
287749	-0.4468898	1	-1.5	-1.3	-1.6	-1.4	-1.6	-1.6	1.2	1.2	3	2.1	2.6	3.1	4.7	2.4	1.7	-1.6	2.2	1.4	1.9	0	-1.1	-1.1
25380	-0.4374535	-1.1	1.3	1.3	-1.1	-1.6	-1.6	-1.6	1.2	1.2	3	2.1	2.6	3.1	4.7	2.4	1.7	-1.6	2.2	1.4	1.9	0	-1.1	-1.1
745083	-0.4368357	2	-1.2	-1.3	-1.1	-1.6	-1.6	-1.6	1.2	1.2	3	2.1	2.6	3.1	4.7	2.4	1.7	-1.6	2.2	1.4	1.9	0	-1.1	-1.1
810899	-0.4368174	1.3	-1.1	-1.1	-1.1	-1.6	-1.6	-1.6	1.2	1.2	3	2.1	2.6	3.1	4.7	2.4	1.7	-1.6	2.2	1.4	1.9	0	-1.1	-1.1
768059	-0.4364357	-2.6	-1.5	-2.1	-1.5	-3.9	-1.1	-1.6	-1.4	-1.6	2.9	2.9	4	1.1	1.2	1.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
815026	-0.4361184	1.4	-1.3	1.2	-1.1	-1.5	-1.5	-3.9	-1.1	-1.6	2.9	2.9	4	1.1	1.2	1.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
741474	-0.4354956	-0.4354956	-1.3	1.6	1.2	-1.1	-2.1	-1.3	-1.1	-1.5	-1.5	-3.9	-1.1	-1.6	2.9	2.9	4	1.1	1.1	1.1	1.1	1.1	1.1	1.1
788641	-0.4341429	-1.1	1.4	1.2	1.6	-1.3	1.2	-1.1	-1.5	-1.5	-3.9	-1.1	-1.6	2.9	2.9	4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2043167	-0.4309893	-1	-1.1	2.3	1.2	2.3	1.2	-1	-1.3	-1	-1.3	-1	-1.3	-1	-1.3	-1	-1.3	-1	-1.3	-1	-1.3	-1	-1.3	-1
1492780	-0.4270384	1.3	1.4	1.1	1.1	2.3	1.2	-1	3.3	1	1.2	1.9	3.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2306987	-0.4267557	-5.1	-1.2	-2.1	1.2	-1.7	1.2	-1.7	-4	3.3	1	1.2	1.9	3.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
754653	-0.4250939	-0.4250939	1.5	-1.1	-2.1	1.2	-1.7	1.2	3.3	1	1.2	1.9	3.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
743810	-0.4233198	1.2	-1.4	1.1	1.1	-1.1	1.2	-1.6	2.6	1.1	-4	3.3	1	1.2	1.9	3.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
126858	-0.4230946	1	1.1	1.1	1.1	1.1	1.2	-1.6	2.6	1.1	3	4.3	1.3	1.2	1.9	3.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2017415	-0.4220588	-1.1	1.1	1.1	1.1	1.1	1.2	-1.6	2.6	1.1	3	4.3	1.3	1.2	1.9	3.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
280507	-0.4218857	-1.3	-1.1	2.1	-1.6	-1.5	1.2	-1.6	2.6	1.1	3	4.3	1.3	1.2	1.9	3.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
67237	-0.4203845	-1.2	-1.9	2.4	-2.1	-1.6	2.1	-1.7	1.1	1.3	1.4	1.9	3.1	1.3	1.2	1.9	3.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3
43833	-0.4171686	-1.4	-1.4	-1.4	-1.4	-1.4	2.1	-1.7	1.1	1.3	1.4													
42076	-0.4169608	-1.1	-1.8	2.3	-1.1	-2.1	2.1	-1.7	1.1	1.3	1.4													
531319	-0.416471	-0.416471																						
784129	-0.415142																							
586895	-0.4146686																							

Year	Age	Sex	Location	Occupation	Education	Marital Status	Religion	Health Status	Family Size	Income	Assets	Liabilities	Net Worth	Life Expectancy	Quality of Life	Life Satisfaction	Life Satisfaction Index
1990	25	Male	Urban	Teacher	High School	Married	Hindu	Good	3	10000	5000	2000	3000	75	8.5	9.0	8.75
1995	30	Female	Rural	Farmer	Primary	Single	Muslim	Fair	2	5000	1000	500	4000	70	7.5	8.0	7.75
2000	35	Male	Urban	Engineer	University	Married	Hindu	Excellent	4	20000	10000	5000	15000	80	9.5	9.8	9.65
2005	40	Female	Rural	Teacher	High School	Married	Muslim	Good	3	15000	8000	3000	7000	75	8.5	9.0	8.75
2010	45	Male	Urban	Manager	University	Married	Hindu	Excellent	5	30000	15000	8000	17000	85	9.8	10.0	9.9
2015	50	Female	Rural	Farmer	Primary	Single	Muslim	Fair	2	10000	2000	1000	8000	70	7.5	8.0	7.75
2020	55	Male	Urban	Engineer	University	Married	Hindu	Excellent	4	40000	20000	10000	30000	90	10.0	10.2	10.1
2025	60	Female	Rural	Teacher	High School	Married	Muslim	Good	3	20000	10000	4000	16000	75	8.5	9.0	8.75
2030	65	Male	Urban	Manager	University	Married	Hindu	Excellent	5	50000	25000	12000	38000	95	10.2	10.4	10.3
2035	70	Female	Rural	Farmer	Primary	Single	Muslim	Fair	2	15000	3000	1500	12000	70	7.5	8.0	7.75
2040	75	Male	Urban	Engineer	University	Married	Hindu	Excellent	4	60000	30000	15000	45000	100	10.4	10.6	10.5
2045	80	Female	Rural	Teacher	High School	Married	Muslim	Good	3	25000	12000	5000	18000	75	8.5	9.0	8.75
2050	85	Male	Urban	Manager	University	Married	Hindu	Excellent	5	70000	35000	18000	57000	105	10.6	10.8	10.7
2055	90	Female	Rural	Farmer	Primary	Single	Muslim	Fair	2	20000	4000	2000	16000	70	7.5	8.0	7.75
2060	95	Male	Urban	Engineer	University	Married	Hindu	Excellent	4	80000	40000	20000	60000	110	10.8	11.0	10.9
2065	100	Female	Rural	Teacher	High School	Married	Muslim	Good	3	30000	15000	6000	24000	75	8.5	9.0	8.75

Figure 4

CloneID	Discriminatory Weight	DCIS178	DCIS179	DCIS96	DCIS112	DCIS44	DCIS65	DCIS133	DCIS30	DCIS88	DCIS180	DCIS45	DCIS57	DCIS79	DCIS14	DCIS102	DCIS193
DCIS Grade		III	III	III	III	III	III	III	III	III	I	I	I	I	I	I	I
2460159	4.63	-1.5	-1.8	-1.6	-2	-2	-1.1	-1.7	-1.3	-1.1	1.7	1.5	2	1.7	2.2	2.8	2.2
358151	2.88	-2.6	-2.3	-1.9	-2	-2.2	-1.8	-2.1	-2	-1.1	1	-1.5	1.4	-1.1	1.3	1.1	1.4
795382	2.77	-1.5	1.7	-2.2	-3.5	-1.5	-1.9	-2.4	-4	-3.7	2.6	1	2.7	2.1	3	2.4	3.1
714472	2.68	-2.2	1.1	-1.2	-1.5	-1.8	-1.4	-2.7	-2.9	-2.5	1.3	1.6	1.4	1.6	1.6	1.1	1.3
725649	2.64	-1.8	-2.5	-1.9	-3.8	-2.1	-1.4	-2.5	-13.4	-4.6	2.4	4.2	-1.5	5.4	4.5	8.1	2.7
51218	2.62	-1.6	-2.4	-1.5	-1.7	-1.8	0	-1.7	-1.8	-1.2	1.3	1.2	1.6	1.1	1.2	1.2	2.1
504959	2.58	-1.7	-4	-7.6	-1.9	-2.5	-1.4	-4.6	-5.5	-2.3	2	5.8	3.1	-2	1.8	2.7	4.4
647397	2.53	-3	-3.2	-6.5	-10.4	-5.8	1.2	-5.2	-15	-7.3	-1.8	3.3	3	-1.4	3	3.9	2
814815	2.42	-1.3	-2.9	-4.8	-3	-2.9	-1.2	-2.7	-2.2	-2.6	1.2	1.4	2.2	1	1.5	1.5	2
279720	2.41	0	-1.6	-2.1	-1.8	-1.2	-1.3	-1.3	-2.5	-1.1	1.4	1.3	1.4	1.7	1.3	-1	1.8
298231	2.41	-3.2	-1.2	-1.3	-1.8	-1.7	-2	-3.5	-6.8	-2.5	1.3	2.2	2.4	-1	0	1.4	2.1
172783	2.33	-1.9	-1.1	-1.7	-2.1	-1.7	-1.5	-2.1	-1.1	-2.3	1.1	1.3	1.5	1.1	-1.2	1	1.1
261609	2.31	-1.7	-3	1.1	1.1	-2.3	-1.4	-1.7	0	-1.2	4	2.9	3.9	-1.4	4.5	2.5	2
826668	2.30	-2.2	-1.4	-1.5	1.2	-1.8	-2.3	-2.2	-1.3	1	-1.2	1.5	1.7	1.6	1.4	1.4	1.8
1493383	2.26	-1.2	-1.5	-2.2	-1.8	-2.1	-1.2	-1.6	-2.6	-1.7	1.2	1	2	3	1	1.1	1.1
2017756	2.24	-1.1	-4.9	-2	-4.2	-2.4	-1.2	-3.7	-1.9	-2.7	1.6	2	2	1	-1.3	-1.1	1.5
1455566	2.18	-1.1	-1.5	-1	-2	-1.2	-1.2	-1.3	-1.4	-1.2	2	-1.3	1.7	1.9	2.3	1.1	2.6
725321	2.17	-2.3	-26.5	-13.1	-1.5	-3.9	1.5	-13.5	-9.7	-3.7	1.5	1.8	2.3	1.5	2.3	1	3.1
180561	2.14	-4.2	-3.3	-19.8	-3.3	-5	-10.3	-6.3	-2.8	-1.9	1.9	-1.1	-2.5	2.1	-2	-1.1	2
32050	2.12	-4.6	-2.2	-4.2	-1.4	-1.7	1.6	-3.2	-6.4	-1.2	2.4	2.2	-1.2	1.3	4.6	2.5	2.8
215000	2.12	-1.4	-1.2	-2.7	-1.3	-2	-1.2	1	-3.3	-1.4	1.1	1.2	1.4	1.6	2	1.2	1.3
2019750	2.10	-1.9	-1.6	-2.5	-1.4	-3.1	1.1	-1.3	1	-2.4	1.5	3.8	1.7	1.1	1.6	4.7	1.1
283124	2.09	-3.2	-2.3	-4	-2.1	-2.8	-1	-3	-5.8	-2.5	1.2	1.1	1.2	-1.5	-1	1.2	1.2
490615	2.06	-2.6	-2.1	-9	-1.6	-1.9	-2.7	-1.7	-1.2	-3.2	1.5	1.2	1.7	-1.6	1.2	1.5	1.3
666138	2.06	-1.7	-1.8	-2	-1.4	-1.8	-2.3	-2	-2.1	1.5	-1.1	2.1	1.6	1.9	1.4	1.6	2.6
418129	2.05	-1.7	-1.7	-3.3	-1.3	-1.4	1	-1.3	-1.9	-2.1	1.1	1.1	1.3	1	-1.1	1.1	1.7
1733262	2.05	-1.7	-1.7	-2	-1.7	-1.4	2.5	-2.1	-4.3	-1.3	4.3	1.8	2.2	-1.3	6.9	6.9	4.2
1588791	2.04	-1.4	-1.1	-2.7	-2.3	-2	-1.7	-1.9	-3.7	-3.4	-1.2	1.3	1.5	2.4	-1.2	-1.4	2
461761	2.04	1.3	-3.8	-2.4	-3	-1.3	-1	-1.6	-1.6	1.3	2.5	2.2	2.2	2	0	1.5	2.1
1031592	1.99	-2.7	-1.2	-3.5	-1.1	-1.9	-1.1	-2.7	-1.8	-1.3	-1.3	1.4	-1	1.5	1.6	1.5	1.5
126415	1.98	-2.7	-1.3	-1.3	-2.2	-2.4	-1	-2.3	-2.5	-1.7	-1	-1.5	1.4	1.3	1.1	-1.1	1.5

28643	1.97	-1.2	-1.8	-2.4	-2.2	-1.3	-1.5	-2	-3.8	-1.5	-1.4	1.3	1.2	1.6	1.1	-1.3	1.4
470261	1.92	-2.9	-1.6	-1.5	2.3	-1.6	1.1	1	-1.4	1.1	2.2	-1.2	2.6	3.4	4.1	3.7	2.6
1630990	1.92	-1.5	-1.4	-4.8	-2.1	-3.6	-1.4	-3.5	-2.2	-2.7	1.2	1.5	1.1	1.2	-1.1	-2.1	-1
810981	1.91	-1.5	-1.2	-4.1	-1.5	-1.7	-1.5	-3.4	1	-1.5	1.5	1.5	2.8	1.4	1.1	-1.2	1.5
767495	1.91	-3.5	-9.4	-1.3	-4.7	1.1	-1.6	-1.4	-2.5	-2.3	2.6	1.3	3.2	-1.5	2.6	-1.1	3.1
767176	1.90	-2.1	-1	-2.8	1.2	-2.1	-1.6	-1.1	-2.4	-1.9	-1.1	-1.1	1.7	3.2	1.3	1.5	1.7
1572196	1.89	-1.2	1.4	-2.2	-2.8	-1.7	-2.8	-3.3	-2.1	4.8	4.8	-1.3	3.5	-1	6.1	1.4	8.5
1706635	1.88	-1	1.4	-1.5	-1.4	-1.5	0	-3.7	-1.6	-1.8	1.7	1.2	2.3	1.2	2.6	2.2	1.1
186301	1.84	-1.3	-1.3	-3.4	-1.2	-2.5	5.8	-2.9	-1.9	-2.7	4.4	3	6.8	-1.4	5.1	3.8	6.4
726703	1.84	1.1	-1.8	-4.5	-1.3	-1.9	2.2	-4.1	-2.9	4.3	4.3	3	3.8	-1.2	2	1.4	2.8
214205	1.84	-2.8	-3.2	-5.4	-3.2	-3.3	2.2	-1.3	-2.8	-1	1.4	1.1	2.3	-1.2	4	5.1	2.8
784178	1.82	-1.3	-1.5	-2.2	-2	-1.8	-10.6	-4.3	-3	-1.4	-1.6	4	-1.1	-1.1	1.6	3.3	3.5
346902	1.82	-2.1	-2	-2	-1.6	-2.2	-1.2	-1.8	-1.6	-1.1	-1.4	-1.4	1.2	-1.1	1.5	1	1.1
1367678	1.82	-1.6	-1.4	-1.5	1.1	-1.7	-1.1	-1	-1.4	-2.5	1.1	1.1	1.2	-1	1.4	-1	1.5
190059	1.80	-2.5	-1.9	-1.8	-3.5	-2.2	-3.4	-1.5	-2	-1.8	1.4	1.1	1.5	-1.5	-2.4	1.7	-1.3
1456937	1.80	1.1	-1.8	-1.1	-1.8	-1.2	-2.5	-1.9	-4.3	1.1	2.1	-1.6	3	1.5	2.5	1.6	1.6
45578	1.79	-2.9	-1.3	-2	-2.2	1.1	1.1	-2.4	-1.7	-3.4	1.4	1.1	1.2	1.2	-1.1	1.1	1.5
248631	1.77	-1.6	-2	-1.6	-3.4	-3.7	-1.8	-4.9	-2.6	-5.6	-1	-1.1	-1.5	1	-1.2	-2.2	1.4
1562231	1.77	-1.2	-1.2	-1.6	-1.5	-1.4	1.2	1.4	-1.6	-2.4	1.4	1.2	1.1	1.3	1.7	1.8	1.8
154466	1.75	1.2	-1.1	-1.9	1.2	-1.7	1.2	-1.7	-1.6	-1.5	1.2	1.5	1.6	2.3	1.1	1.5	1.5
2524445	1.74	-1.1	-2.8	-1.9	-1	-1.7	-1.1	-1.5	-1.7	-2.8	1.1	-1	1.8	2.4	-1.2	1	1.3
277266	1.73	-1.6	-1.3	-1.8	-1.4	-1.8	-1.5	-1.2	-1	-1.3	2	-1.4	2.2	1.2	2.1	2	2.2
741891	1.73	-1.1	-1	-4.4	-1.9	-1.3	1.2	-1.3	-2.8	-1.1	2	-1.4	2.2	1.2	2.1	2.7	1.8
206217	1.72	-2.1	-1.5	-2.3	-1.7	-3.9	1.2	1.1	1	-3.1	-1.1	1.1	2	1.5	1.3	-1.2	2
2028876	1.71	-2	-2.2	-4.3	-1.3	-1.8	1.1	-1.5	-3.5	-1.5	-1.4	2	1.4	-1.3	1.1	1.3	2
730036	1.71	-1.5	-1.2	-2.7	-2	-3	1.4	-1.4	1	-3.6	-1.2	2.6	2	2.2	2.2	1.4	1.5
1558233	1.70	1.9	-1.6	-1.5	-1.6	-1.5	1.3	-4.7	1	-2.1	1.5	3.1	2.7	-1.3	4.6	2.1	4.8
502518	1.70	-3.4	-1.5	-6	-2.2	-1.7	1.1	-2.7	-3	-1.8	-1	1.3	-1.4	-1.3	-1.1	1.7	1.5
356835	1.70	-2.3	-1.4	-2.7	-2.1	-2.3	1.4	-1.9	-3	-3.4	1.5	-1.2	-1.5	-1.2	1.9	1.2	1.5
744994	1.69	-2.2	-1.2	-1.5	-1.5	-1.3	1.6	1	-1.4	-1.2	-1.2	2.1	3.1	1.2	1.4	1.3	2.1
810358	1.69	-2.8	-1	-3.6	-2.5	-3.9	-1.9	-2.5	-1	-1.8	1.3	-1.6	1.6	1.1	-1	-1.1	-1.1
813854	1.69	-2.3	-2.5	1.1	-1.1	-1.9	-1.5	-3.2	-1.3	-2.1	2.3	1.2	1.1	1.5	1	-1	1.1
768043	1.69	-1.4	-1.2	-1.4	-1.5	-1.5	-1.3	-2.1	-2.3	-2.4	2.3	1	1.9	-1	-1.1	1.3	1.2
264632	1.66	-1.4	-1.6	-1.3	-1.5	-1.3	-4.2	-2.4	-3	-1.4	1	1.2	2.1	-1.2	1.3	-1.5	1.2
505243	1.66	-1.1	-1.4	-1.8	-2.3	-1.7	1.4	-1.7	-2.4	-1.4	-1.1	1.1	2	-1.8	1.4	-1.1	1.7
344073	1.66	-1.1	-1.8	-2.8	-1.3	-1.2	1.4	-2.7	-3.3	-1.1	-1.3	1.1	1.4	1.3	2.2	1.7	2.7
343760	1.64	-1	1.1	-4	-2.2	-1.6	-4.3	-2.1	-6.9	-4.2	1.6	-1.1	1.3	-1.4	2.1	-1.5	2.6

1569418	1.64	-2.3	-1.4	-1.5	1	-1.5	1.1	-3.8	-2.1	-2	-1	1	1.5	-1.1	1.1	1.4	0
202577	1.64	-1.8	-1.3	-2.3	-1.3	1	-1.4	-2.1	-3.4	-1.6	1.1	-1	1.3	1.7	-1.4	-1.2	1.5
823634	1.64	1.5	-1.5	-1.4	-2.1	-1.7	-3.2	-3.6	-3.3	-2.3	1.3	1.4	1.3	-1.5	1.1	-1.1	1.5
839796	1.63	-1.6	-1.4	-1.8	-1.6	-2.6	-2.3	-2.3	-1.5	-1.2	-1.4	1.2	-1.7	-1.3	-1.1	1.3	1.2
183440	1.63	1.1	-1.2	-4.4	-1.4	-2.1	-1.3	-2	1.7	-1.8	-1	2.1	1.9	1.1	1.5	1.5	2.3
344959	1.63	-1.3	1.2	-2.8	-2.1	-1.7	-10.8	-20.2	-18.9	-12.1	-2	2	6.4	-1.1	3.4	-1.6	4.1
1574252	1.62	-1.3	-2	-1.4	-1.1	1.4	-2.3	-2.1	-2.3	1	1.1	1	1.4	2.1	1.5	-1.1	2.2
669359	1.62	-1.2	-1.4	-2	-1.3	-1.4		1.1	-2.1	1.4	4			-1.1	3.9	17.3	4.6
74070	1.61	-1.2	1.3	-1.8	-1.3	1.1		-1.5	1.1	1.3	2.8	1.1	1.3	1.8	1.8	3.1	
1660649	1.61	-1.4	-1.1	-2.1	-2.2	-2.8	-1.7	-2	-1.7	-1.3	-1	1.4	2.2	1.1	-1.5	-1.5	1.2
796723	1.60	1	1.3	-2.2	-2.4	-1.7	1.2	-1.7	1.1	-2.8	1.2	1.2	1.5	1.7	1	1.9	1.8
743146	1.60	2.1	1.1	-1	-1.2	1.1	-4.1	-7.8	-6	-5.7	8.2	3.1	18.2	-1.5	5.7	-1.1	3.4
789147	1.59	1.3	-1.1	-3.3	-1.3	-2.2	1	-3.4	-1.4	-1	3.9	2.9	2.3	-2.3	1.8	3.8	2.1
342181	1.59	-4.5	-9.1	-7.7	-1.1	-2.4	2.2	-2.9	-9.1	-5	1	-1.3	1.6	-2	1.7	3.5	2.5
33076	1.58	-1.8	-1.7	-2.1	-2.4	-1.4	-1	-1.4	-1.5	-1.5	-1.4	4.1	-1.3	1.1	1.3	1.9	1.3
782497	1.58	-1	-2.8				-1.7	-1	-7.8	-4.3	1.4	2.5	1.5	1.1	-1	1.7	1.7
470261	1.58	-1.4	-1.4	-1.2	2.8	-1.3	1.5	-1.2	-1.4	-1.1	1.9	-1.3	3.4	3.3	2.9	2.7	2.4
809507	1.57	2.3	1.3	-1.6	-2	-1.2	-1.3	-1.8	-2.6	-3.9	1.6	1.3	2.2	1.9	1.4	1.6	1.6
712460	1.57	-1.6	-1	-1.1	-1.6	-1.5	-1.1	-2.2	-1.1	-1.4	1	1.8	-1.3		1.8	1.4	1.1
293569	1.57	-1.7	-1.1	2	-1.2	1.5	-4.1	-1.3	-2.3	-1	1.2	2.1	1.8	2.6	2	1.4	2.6
1518402	1.56	1.9	-1.5	-1.6	-1.6	-1.5	2.5	1	-1.5	-1		3	1.4		5.6	2.5	3.4
155072	1.56	-1.6	-9.4	-9.2	-2.6	1.8	1.2	-1.1	-60.6	1.4	2.6	2.6	3.3	2.1	2.5	3.8	2.6
455269	1.55	-1.5	-1.2	-2.4	1.1	-1.4	-1.5	-2.2	-6.9	0	1.4	-1.3	1.2	1.8	1.5	1.7	1.4
262804	1.55	-1.1	1.3	-2	-1.1	-1.3	-1.7	-1.3	-1.1	-1.9	-1.5	1.7	1.3	2.4	1.5	1.1	1.5
1492238	1.55	-1.4	1	1.2	1.7	1	-1	-1.4	-1.3	-1	-1	1.3	1.7	3.3	1.7	1.6	1.9
364865	1.55	-3	-1.7	-1.7	-2.3	-1.6	-1.3	-3.2	-6.1	1.1	1.3	-1.5	1.9		3.6	1.9	
2325804	1.55	-1.9	-1.1	-1.5	-1.4	-1.2	2.4	-1.5	-1.2	-3.3	2	1.3	2.2	-1.3	2.5	2.3	1.8
1635062	1.54	-1.9	-3.2	-1.3	-2.2	-3.2	1	-2.7	-1.9	-1.5	-1.6	1.3	1.1	1.5	-1.1	-1.5	1
344168	1.54	1.1	-1.1	-3.7	-3.8	-3.2	1.2	-2.1	-2.3	-2.5	-1	1.3	1.3	1	-1.1	-1	1.5
1517171	1.54	-2.3	1	-1.5	1.1	-1.1	-1.5	-1.7	-4.7	-1.9	1.4	1.7	1.1	1.2	-1.1	1.1	1.4
769600	1.53	-1.4	-1.6	-1	1.2	1.2	4.6	-1.1	-2.6	1.3	3.3	1.1	3.1	2.8	3.6	2.4	5.6
325583	1.52	-2.2	-1.1				-2.9	-1.7	-1.5	-2.1	-1.3			1.4	-1	1.6	1.4
814826	1.52	-1.8	-1.8	-2.4	-1.6	-1.7	1	-2.1	-1.7	-3.5	-1.7	-1.3	1.4	-1	-1.4	1.3	1.4
1570502	1.52	-1.6	-1.8	-1.6	-1.6	-2.1	-1.9	-5.3	-1.5	-3	1.1	1.7	1.4	-2.2	1.4	-1.8	2.2
511831	1.52			-1.4	-1.9	-1.7	-2.8	-4	-4.9	-2.6	1.1	1.4	-2.1	1.3	-1.6	-1.5	1.1
124922	1.51	-1.6	-1.1	-1.5	-1.7	-2.3	-1.1	-2.7	-1.5	-2.5	-1	-1.1	-1.3	1.2	1.1	-1.3	2.5
2072768	1.49	-1.9	-1.6	-2.1	-2.4	-3.4	-1.2	-3.6			-1.3	1.2	1.4	1.1		-1.7	-1.1

TABLE 3

2021882	1.49	-2.1	1.9	-1.3	-1.6	-1.7	1.1	-6.4	-7	-3.3	1.4	-1.4	2	1.1	2	2.2	2.2
627248	1.48	-1.6	-2.6	1	1.9	-2	1.1	-1.9	-2.8	-1.6	1.3	3.3	1.2	-1.3	1.5	2	1.6
725503	1.48	1.8	1.1	-1.5	1.1	-1.4	-1.9	-3.8	-2.8	-3	2.9	1.9	1.9	1.1	-1.3	2.6	1.1
285312	1.47	1.1	-1.1	-2.7	-1.6	-1.8	-1.5	-1.4	-2.1	-3.6	1.7	2.2	1.3	-1.2	-1.4	-1.5	1.8
141731	1.47	-1.8	-1.2	-1.5	-1.7	-1.6	-2.6	-2.3	-1.6		1.3	1.5	1.5	1.2	-1.9		
1456701	1.47	-1.6	-1.1	1.6	-1.2	2.2	1.3	0	1.3	-1.5	2.2	1.1	1.7	1.7	3.4	2.4	2.7
898222	1.47	1.1	-1.2	-2.1	-1.1	-1.2	1.4	-1.8	1.2	-2.9	1.2	1	2	1.6	1.5	1.6	1.2
725284	1.46	-1.6	1.7	-1.8	-1	-1.6	1.5	-1.9	-1.4	1.1	1.1	1.2	2	2	1.2	2.1	1.8
154999	1.46	-1.1	-1.4	-1.9	-1.7	-1	-1.5	-1.3	-1.7		-1.5	1.2	1.3	0	-1.1	-1	1.5
1592530	1.46	-2	-1.4	-1.6	-2.5	-1.8	-1.4	-2.4	-1.1	-1.6	-1.2	1.5	-2.1	1.3	1	-1.1	1
590310	1.45	-3.2	1	-1	-1.9	-2.9	3.1	-3.3	-14.3	-6.2	-1	5.8	11.8	-1.5	4.7	-1.4	7.3
416042	1.45	-1.5	-1.8	-1.5	-2.5	-1.2	1.5	-1.7	-2.8	1.2	1.1	1.6	-1.3	1.7	1.8	1.1	1.5
2017144	1.45	-1.5		-1.9	-3.2	-1.8	2.1	-1.1	-1	-3.4	2.1			1.5	2.2	1.5	1.9
309449	1.44	-1.2	-1.5	-1.3	-1.2	-1.3	-3.2	1.2	-2.3	-1.2	-1.2	2.2	1.2	-1.1	1.6	1.2	-1
450301	1.44	-2.1	-1.4	-1.5	-1	-1.2	1.7	-2	-1.1	-1.3	1.5	-1.2	1.3	1.6	1.5	1.1	1.4
1492468	1.44	-1.7	1.1	-1.4	1.2	-1.1	-1.7	-1.8	-3.9	-1.6	1.3	2.9	1.5	1.5	-1.7	2.4	1
121454	1.44	-1.1	-1.9	-2.4	-1.7	-1.1	-2.4	-1.9	-1.1	-1.6	1.7	-1.2	1.3	2.3	-1.2	1.2	-1.7
743880	1.43	-2.3	-1.1	-1.5	-3.5	-1.4	-1	-1.8	-1.4	-1.6	1	1.7	-1.1	1.1	-1	-1.3	1.1
1568967	1.41	1.2	-1.1	-2	-1.3	-1.4	-1.8	-2.5	-1.7	-1.2	1.2	1.7	1.3	-1.1	-1.1	-1.1	-1.2
1568989	1.41	1.1	1.4	1	-1.2	1.1	-2.9	-1.9	-1.7	-2.2	1.6	1.2	1.5		1.7	1.9	1.1
25274	1.41	-3.6	-3.3	-1.3	-3.9	-2.3	3.4	-6.4	-5	-6.1	1.2	-1.1	-1.7	1.1	1.5	2.1	2.3
2413337	1.41	1.8	-1	-1.8	-2	-1.4	-3	-1.2	-1	-1.6	4.2	2.4	1.9	1.3	1.4	-1.2	
197913	1.40	-3.3	-1	-1.1	-1.6	-1.5	-1.7	-1.6	-2.2	-1.1	-1.5	1	1.3	1	1.1	1.3	-1.1
292770	1.40	1.2	1.3	1.2	-1.2	1.1	1.1	-1.7	-1.3	-1.9	1.4	1.4	-1	2	2	1.3	1.6
143332	1.39	1.1	-1.6	-1.4	-2.3	-1.8		-7.5	-3.9	-2.6	-1.4	24.1	5.5	-1.1	2.5	-1	
809779	1.38		-2.3	-2.3	-1.5	-3.4	1.2	-2.9			1.1	1.3	-1.4	-1.3		1.5	2.2
138242	1.38	-1.2	-1.1	-1.4	-2.2	-3.2		-4.1	-2.6	-2.1	-1.2	1.1	1.3	1.3	-1	-1.7	
270127	1.38	-1.4	1.4	-1	-1.1	-1.3	-2.6	-2.2	-1.1	-1.8	1.8	-1.3	-1.1	1.4	1.4	1.2	2.8
49240	1.38	-1.4	1.1	1.1	-2	-1.5	1.5	-1.4			1.9	1.5	1.5	-1.1		2	1.4
826622	1.37	-1.5	-2.9	-1.6	-1.3	-1	1	1.1	-1.1	-1.6	1.3	2.5	1.4	-1.1	-1.1	1.9	1
1858837	1.37	1.9	1.6	-1.7	-2.2	-1.7	-3.1	-3.3	-1.8	-2.9	1.3	2.3	2.1	-1.6	1.4	1.3	1.4
1583198	1.37	1.4	-1.1	-1.1	-1.1	-1.1	1.3	-1.2	-2.9	-1.6	1.2	6.2	1.9	-1.3	6.8	1.6	1.9
345858	1.36	-1.5	-1.1	3.1	-2.2	-1.3	-2	-1.5	-2	-2.1	3.9	1.1	1.9	-1.3	1.8	1.3	2.4
208387	1.36	1	-1.4	-1.8	-1	-1.2	-1.1	-1.2	-3.4	-1.2	0	-1.3	1.4	-1.1	3.7	1.6	3.1
502782	1.36	-1.3	-1.2	-1.6	-1.5	-1.6		-1.1	1.3	-2.1	-1	-1.1	1.3	-1	1.8	1.8	
26294	1.36	-1.7	-2.1	-1.2	-1.2	-1.1					1.8	3.9	11.4	1.7			
669379	1.36	1	-2.1	-1.2	1.3	-1.1	-1.1	-1.9	-1.1	-1	2.3	1.9	-1.3	-1.1	3.4	1.3	1.6

810728	1.36	-2.4	-1.5	0	-1.4	-1.8	-2.1	-2.2	-7.3	-2.8	-1.5	1.1	1.5	1.3	1	-2.1	1.5
1601845	1.35	-2.7	-1.6	-1.2	-1.2	-2.5	-1.4	-1.5	-2.2	-4.3	2.1	-1.8	1.2	-1.2	1.3	-1.5	1.2
840882	1.35	-1.1	-1.4	-2.5	-1.3	1.2	-1.4	-1	-5	-2.6	-1.2	2.3	1.4	-1.2	1.1	1.4	1.5
82173	1.35	-1.2	1				1.3	-2.4	-1.9	-1.9	1.4	1.8	2.1	-1.1	1.1	1.3	
490965	1.35	1.2	-2.6	-5.7	-2	-1.7	2.6	-2.3	-6.9	-4.6	-1	3.1	1.4	-1.8	1.7	1.9	1.5
811162	1.35	-1.6	-2.3	-19.1	-4.4	1.1	-2.8	-3.4	-51.7	2	1.6	1.3	2	-1.6	1.8	3.6	1.3
61061	1.34	1.4	1.4	-1.4	-2.4	-1.7	2.7	-2.3	-2.5	-1.5	1.4	1.4	1.3		2.7	2.6	2.9
49630	1.34				-2.1	-1.6	-1.9	-2.8	-1.7			-1.1	-1.6	1.8	6	1.9	2.2
825659	-2.83	2.3	1.7	1.6	1.9	1.3	1	1.2	1.3	2	-1.3	1	-1.2	-1.6	-1.5	-1.5	-1.8
769921	-2.71	3.4	1.8	13.4	2.7	2.7	8.2	2.9	7.5	2.6	-1.2	-1.6	-2.2	1	-1.1	1.2	-1.7
788232	-2.66	2	2.2	3	1.5	2	1.9	1.5	1.4	1.3	-1.1	1.2	1.2	-1.2	1	-1	-1.1
1476053	-2.53	2.4	2.6	3.1	1.9	1.4	1.6	2.9	2.2	1.1	-1.7	-1.6	-2.1	1.6	-1.5	-1.1	-1.4
809557	-2.49	1.1	2.4	2.3	1.3	1.1	1.6	1.4	1.8	1.5	-1.3	-1.1	-1.4	-1.3	-1	-1.3	1.1
150897	-2.43	1.7	4.3	1.2	2	-1.3	-1.3	2.6	1.1	2.3	-1.5	-3.9	-3.1	-2.7	-2.5	-2.9	-1.4
814526	-2.37	1.2	1.7	2.7	1.6	1.1	1.5	-1.1	3.1	1.2	-2.6	-1.8	-1.3	-2.1	-1.2	-1.4	-1.5
796694	-2.31	2.3	1.8	4.5	1.3	1	2.7	2.5	3.9	4.5	-1.4	-1.6	-2.7	1.1	1	-1.3	-1.2
814792	-2.30	1.2	1.2	1.3	1.8	1.5	1.6	1.4	1.1	1.2	-1.9	-1.4	-2.5	1.2	-1.3	-1.3	-1.4
1536236	-2.30	1	1.9	2.4	1.5	1.8	1.3	1.4	2.3	1.4	-2.3	-1.3	1		-1.2	-1.6	-2.4
2017415	-2.27	1.1	1.7	5.7	1.4	3.7	2.2	2	3.6	2.6	-1.1	-1.7	-1.5	1.4	-1.2	-1.7	-2.2
210862	-2.24	1.4	3.9	1.7	1.6	2.4	1.3	1.6	1.7	2.3	-1.6	-2	-1.4	0	1	1.4	-1.4
795543	-2.24	-1.3	1.9	1.9	2.5	1.7	2.7	2.1	3.2	3.3	-1.3	-1.5	-1.1	-1.6	-1.1	1.5	-1.5
773301	-2.22	-1.5	1.4	1.8	2	2	1.9	2.7	10.1	3	-1.9	-2.6	-1.4	-1.2	-2.6	-4.6	-2
700792	-2.22	3.1	1.8	4.2	2.1	2.1	2.9	1.8	2.4	2.9	-1.2	1.5	-1	1.5	-1.3		-2.2
1883327	-2.21	1.5	1.6	2	1.9	2.1	1.6	1.2		6.5	-1.2	-1.3	-1	-1.4	-2	-2.3	-2.1
1523225	-2.19	1.9	1.7	1.5	1.7	1.4		1.6	2.1	2.1	1.2	1	-1.5	-1	-2	1.1	
208718	-2.19	-1	-1.8	5		-1.6	1.4	2.9	3	4.6	-3.8	-7	-3.4	-4.6	-2.7	-3.1	-1.7
1702742	-2.16	8.1	4.9	17.8	1.7	2.4	2.1	2.9	7.5	2.1	1.1	1.2	-1.8	1.7	-2.3	-1.6	-4.6
753378	-2.15	2.6	2	-1.4	1.5	1.4	4.7	2.9	1.7	3.7	-2.1	-2.6	-2.1	1.2	-1.5	-1.1	-1.5
429222	-2.14	1.2	1.6	1.4	1.6	1.2	2	1.7	1.1	1.1	-1.6	1.1	-2.2	-1.5	-1	-1	-1.2
292388	-2.13	-1.1	1	1.9	1.8	-1	1.4	2.3	1.3	2	-1.1	-1.4	-2.1	0	-1.9	-1.5	-1.7
781047	-2.13	1.3	1.4	7.4	-1	2.4	1.9	1.9	2.8	2.3	-1	0	-1.8	-1.2	-1.8	-1.8	-2.7
450854	-2.08	1.4	1.2	1.4	2.3	1.3	1.9	-1.2	1.3	1.5	-1.6	-1.9	-4.1	-1.2	-1.3	-1	-1.7
823598	-2.07	1.1	2.3	1.4	1.7	2.2	3	2.6	1	2.9	-1.2	-1.6	-1.5	-1.4	1.1	1.3	-1.1
1422338	-2.07	1.7	4.7	5.8	3.4	2.8	2.2	2.5	1.6	2.8		1.6	-2.2	-1.4	-2.2	1.1	-7.1
705064	-2.06	1.7	1.8	2.3	1.4	2.1	3.4	1.4	3.6	2.1	1.1	-1.5	-1.4	-1.1	1.5	1.5	-1.6
770675	-2.03	-1.1	1.2	1.4	1.9	1.7	1.3	2.2	1.2	3.6	-1.1	-1.4	-1.6	1	-1.2	-2	-1.5
345787	-2.00	3.1	1.9	3.8	-1.2	3.4	-1	2.2	2.8	2.2	-1.1	-1.2	-1.4	-2	-1.1	1.3	-2.5

FOR THE "BROADBENT"

471196	-2.00	-1.1	2.3	1.3	-1.9	-1	1.7	2.1	2.4	1.7	-1.2	-1.9	-1.7	-1.2	-5.8	-4.6	-5
753215	-2.00	2	1.4	2.8	-1	1.5	-1.1	-1	1.4	4.4	-1.1	-2	-2.1	1.1	-4	-4.1	-2.7
869375	-1.98	2.5	1.3	5.7	1.6	1.8	1.8	2.4	2.7	2.6	1.6	-1.9	-4.2	-1.4	-1.1	1.4	-1.7
842818	-1.98	-1.3	1.3	1.5	1.6	1.4	-1.1	2	1.3	1.4	-1.5	-2.8	-1.6	-1.1	-1.4	-1	-3.1
229579	-1.98	1.3	2.9	1.6	1.6	2.7	-1.2	1.3	2.1	2.1	1.3	-1.4	-1.3	-1.3	-1.4	-1.3	-1.1
1916461	-1.97	1.1	1	1.2	-1	1.3	1.8	2.3	2.2	1.3	-1.2	-1.4	1.1	-1.6	-1.2	-1.4	-1.7
129294	-1.97	1.8	2.4	2.2	1.5	1.6	-1.1	1.6	1.8	1.1	1.2	-1.2	1.1	1	-2	-1.5	-1.4
789376	-1.97	1.9	2.3	1.8	2.1	1.6	2.3	1.7	2.8	2.9	-1.2	-1.3	-1.6	1.1	-1.3	2.7	-1.1
1897302	-1.97	1.1	1.6	1.3	1.1	2	-1.1	3	1.2	1.8	-1.1	-1.3	-1.4	1.1	-1.8	-1.7	-1.6
9511117	-1.96	1.3	2.1	2.2	2.6	2.1	1.7	1	-1.2	1.8	-1.4	1	-2	-1.5	-2	-1.2	-1.3
1642496	-1.95	1.6	2	1.8	1.3	1.7	2.1	1.4	1.9	-1.1	-1.4	-1.1	-1.3	1.4	1.1	-1.1	-1.3
591465	-1.93	-1	2.5	2.2	2	1.2	3.7	2	1.3	1.6	-2.2	-2.3	1.1	1.3	-1.1	-1.5	-1.5
149355	-1.90	2.1	2	2.1	1.5	2.3	-1.1	3.7	1.9	2.3	1.4	1.1	1.3	-1.1	-2	-1.8	-1.8
259950	-1.90	1.5	1.6	4	1.1	1.2	-1.1	2	1.6	-1.2	-1.1	-1.3	-2.3	-1.3	-1.7	-2	-2
897770	-1.89	1.8	1.1	3.6	2.3	1.5	3.4	2.2	7	-1.1	-1.3	-1.6	-1.4	-2.1	1.4	-1.5	-1.2
878798	-1.88	1.2	1	-1.7	2.9	1.5	3.5	2.9	4	2.1	-1.9	-3.1	-1.6	-2	-2.5	1.5	-1.7
746229	-1.87	1.7	4.6	2.1	3	1.9	-1.1	1	2.7	2.3	-1.3	-1.1	-1.3	1.6	-2.1	-1.7	-1.4
624867	-1.86	2.3	4.4	4.1	2.3	1.8	1.3	-1.4	1.3	1.7	-1.5	1.2	-1	-1.1	-2.2	-2.2	-2.1
504308	-1.86	1.5	1.6	13.3	2.3	2.2	1.7	2.8	3	4.9	-1.1	1.1	-1.7	-1	-2.2	-1.3	-1.3
727251	-1.86	1.2	1.4	1.3	1.6	2.2	-1	1.5	2.6	1.6	-1.3	-2.3	-2.5	-1.9	-1.3	1.7	-1.1
897774	-1.85	-1.2	2.7	1.1	1.6	1.3	3	-1.1	1.6	-1.2	-2.1	-3	-1.4	1.2	-1.8	-1.6	-2.9
1901310	-1.84	1.6	1.9	5.3	-1.1	-1.1	1.6	1.3	4.7	1.7	1.4	-1.5	-1.6	-1.4	-3.5	-2.5	-2.6
292936	-1.84	1.4	2.7	5.3	1.9	2.6	3.2	1.8	8.4	1.5	1	1.5	-1.8	1	-1	-1.6	-1.6
1518591	-1.84	2.2	1.9	3.8	1.8	2.4	1.7	0	1.5	-1.2	1.5	-1	-1.1	-1.8	-1.3	-1.3	-2.2
321354	-1.81	1.1	1.6	1.8	1.4	-1.1	-1.1	1.6	1.6	2.5	-1.2	-1.1	-1.5	1.3	-1.5	-1.3	-1.8
1903066	-1.81	1.7	7.9	9.5	1.9	6.1	15.5	2.7	2.9	3.8	-1.5	-1	2.4	1.9	-1.7	1.5	1.2
235180	-1.80	2.4	1.5	2.1	1.9	1.5	1.3	1.4	1.5	1	1.5	1	-1.5	-1	-1	-1.2	-1.5
740604	-1.80	3.3	1.8	0	1.8	1.2	1.9	2.8	1.8	1.8	-1.6	1.4	-1.6	1.6	-2.4	-1.2	1
233464	-1.80	2.7	1.8	1.4	-1	2	-1.2	1.9	3.2	2.3	1.4	1.1	-1.3	-1.3	-1.6	-2.3	-1.3
951241	-1.80	2.5	2.4	1.4	2	1.6	1	1.4	1	1.5	1.1	1.3	-1.8	-1.3	-2.4	-1.4	-3.4
1587847	-1.79	-1.4	4.1	3.3	1.7	-1.3	1.7	2.2	4.5	1.7	-2.2	-1.5	-1.8	1.2	-1.2	-1.4	-1.7
624390	-1.78	-1.6	2.4	1.7	2.3	1.2	2.3	-1.1	2.3	2	-1.3	-1.2	-1.5	1.3	-2.2	-1.6	-2.3
128711	-1.78	2.5	2.3	10.5	1.3	1.8	1.5	2.4	2.3	1.4	-1.1	1.4	-2.2	1.1	-2.8	-1.5	-8.7
308633	-1.77	1.9	-1.1	2.8	1.3	2.5	-1.1	2.3	1.1	1.6	-1.7	-1.3	-1.8	1.7	-1.7	-2	-2.5
884425	-1.76	-1.1	1.9	1.5	1.9	1.2	1.3	1.8	2.2	1.9	-1.5	1.5	-1.6	-1.2	-1	1.2	-1.6
745394	-1.76	1.2	1.3	1.8	2.3	2.2	1.7	1.9	-1.3	3.4	-1.5	-1.1	-1.9	-1.3	-1.2	-1.2	-1.6
852829	-1.76	1.7	1.5	1.4	1.2	2	1	2.3	2.3	1.7	1	1.2	1.3	-1	-1.6	-1	-1.1

122241	-1.75	-1	1.5	1.3	2.5	1.4	1.6	1.3	1.4	1.7	-1.4	1.2	1.1	1.2	-1.5	-1.1	-1.3
307255	-1.73	-1.3	4.9	11.9	1.8	2.2	1.3	3.2	6.1	2.5	-1.1	1.2	1.4	2	-2.8	-3.2	-1
32493	-1.73						3.3	1.1	1.3	1.3	-2.4		-5.1	-1.3	-4.5	-2.1	-4.9
454896	-1.72	2.2	2.3	-1.1	2.2	2.1	-1.5	1.5	1.2	1.7	-1.2	-1.1	-1.6	-1.1	-1.4	-1.4	-1.2
1876217	-1.72	1.5	1.9	1.4	2.5	1.4	1.7	-1	-2	1.4	-2	-1.2	-1.5	-1.1	-1.8	-1.4	-1.6
815556	-1.72	-1.4	10.5	5.3	1.6		1	1.7	-1.7	3.6	-3.1	-1.5	-2.2	1.1	-3.9	-5.5	-6
589869	-1.71	1.9	1.9	1.9	1.3	1.7		2.1	4.8	2.5	-1.2	1.6	1.4	-1.4	-1.1	-1.4	
2012523	-1.71	1.7	-1.3	2.9	1.4	1.7	-1	3	12.4	8.6	1.2	-1.9	-1.4	1	-3.5	-3.7	-3.5
1946448	-1.71	-2.4	1.2	2.2	-1.7	-1.7	1.3	3	1.6	1.6	-1.8	-1.9	-2.1	-1.9	-3.6	-7.7	-2.6
841370	-1.70	-1.6	2.1	1.9	2.1	1.6	1.3	1.7	1.9	1.6	-2.8	-1.1	-1.4	1	-1.2	1.1	-1.3
1600239	-1.70	1.8	3	3.2	3.8	2.1	6.2	-2	1.1	1	-1.7	-2.8	-1	-1	-3.5	-1.4	-2
462926	-1.70	1.7	1.7	1.5	-1.1	1.2	-1.3	1.4	2.7	1.9	-2	-1.3	-1.6	1.5	-1.3	-1.6	-1.7
144880	-1.70	1.6	3.4	4.4	2	2.4	2.2	1.2	3.1	2	1.4	1.2	-1.1	1.7	-1.9	1.3	1.3
744047	-1.69	-1	1.3	10.7	2.4	3.2	3.9	1.2	3.9	1.2	-1.7	-1.3	-2.4	1.4	-1.4	-1.1	-2.3
624627	-1.69	-1.1	-1	2.5	1.4	2.5	2	2	1.6	4.3	-1.1	-1.1	-1	1.2	-1.6	-1.2	-3.5
788566	-1.68	1.2	1.4	2.1	2.1	1.4	-1	1.9	-1.1	1.9	1.2	1.1	1.1	-1.1	-2.1	-1.8	-2.2
858293	-1.67	1	1.5	1.4	1.3	1.4	1.4	1.6	1.6	3.1	-1.7	-1	-1.7	-1.3	-1.6	1.9	-1.4
470148	-1.66	1.4	1.3	-1.2	1.1	1.2	-1.7	1	-1.1	-1.6	-2	-2.5	-1.8	1.1	-2.5	-3	-1.8
66902	-1.65	2.5	2.7	2.8	1.6	1.8	-1.2	1.3	2.2	1.5	1.6	1.1	1	-1.2	-4.1	-2.5	-1.3
77533	-1.65	-1.2	2.4	1.8	2.1	1.9		1.2	1.3	1.3	-1.9	-1.3	-1.5	1	-1.1	1	
825282	-1.64	1	1.6	2.4	1.4	2.1	3.9	2	-1.6	1.2	-1.6	-1.3	-2	-1.3	-1.1	-1.2	-1.1
785840	-1.64			-1	2.5	1.7	2.3	3.2	1.9	3.5	-1.2	1.1	-1.6	1.3	-1	1.4	1.1
824962	-1.64	-1	5.6	5.9		2.5	5.5	2.9	2.7	5.2		1.5	-1.4		1	1.5	-1.7
741139	-1.64	1.3	-5	4.1	-1.2	-1.3		0	1.8	-2.4	-12.1	-4.6	-2.4	-4.6	-6.5	-5.7	
809530	-1.63	1.2	1.6	2.4	1.3	1.6	1.5	-1.1	1.2	-1.7	1	-1.1	-2.7	-1.3	-1.8	-1.5	-2
2054635	-1.63	2.3	2	1.3	2	1.3	2.3	-1.3	1.4	1	-1.7	-1.4	1.3	1.3	-1.5	-1.3	-1.8
813533	-1.62	1.8	1	1.2	1.1	1		3.2	3.3	1.2	-1.8	-1.4	-2.2	-1.5	1.1	-1.5	
267816	-1.62	1.1	3.7	1.1	1.5	1.1	4.5		3.2	2.4	-1.1	-1.4	-2.1	-1.2	1.1	-1.7	
306318	-1.61	-1	2	3.3	3.2	1.9	1.3	2.8	2.4	1.1	-1.7	-2.4	-1.8	-1.2	1.6	1.8	-1.8
796469	-1.61			2.6	1.6	1.4	3	3	3.8	2.6	-1.9	1	-3.8	1.7	1.8	1	-1.6
813256	-1.60	1.4	-1.1	-1.1	1.5	1.4		3.3	-1.7	1	-1.2	-1.8	-2.1	-2	-5.1	-4.8	
843121	-1.60	-1	2.4				2.9	4.1	12.1	2.7	-1.7	-1.7	1.4	-1.2	-1.6	-1.3	1.1
713685	-1.60	-1.3	1.2	1.4	1.4	0		2.7	1.9	2	-1.3	-1.8		-1.4	1.1	-1.4	-1.8
811590	-1.60	1.4	2.5	1.6	1.1	1.5	-1.5	2.3	2.1	1.9	-1.3	1.1	-1.2	-1.5	1.1	-1.1	-1.7
823756	-1.60	1.5	2.6	1.5	-1.2	1.1	1.5	2.7	1.6	1	-1.2	-1.4	-1.3	1	1.2	-1.7	-1.3
549073	-1.60	1.1	-1.3	1.9		1.8	3.1	1.8	1.7	2.7	-1.9	-1.2	-3	-1.3	-1.2	1	1.4
743810	-1.60	2.6	1.4	3.8	1.5	1.5	1.1	-1.4	2.5	1	-1.4	1.1	-1.6	-1.1	-1.5	-1.2	-3.3

377368	-1.60	1.9	-1	1.2	1.3	1.8	1.7	1.1	1.5	2.7	-1.5	1.6	1	-1.1	-1.5	-1.5	-1.7
1506046	-1.59	1.1	2.5	2	1.3	2.2	3.4	-1.1	2.2	-1	-1.4	1.2	1.4	-1.9	-1.1	-1.5	-1.5
814270	-1.59	1.5	1.7	4.2	1	1.4	1.2	2.6	1.5	2.2	-1.2	1.9	-1.2	-1	-1.4	-1.5	-2.5
1604703	-1.59	-1.4	2.7	1.9	4.2	1.8		1.3	1.7	1.1	-1.2	-2	-1	-1.1	-3.1	-3.3	
234736	-1.58	1.6	2	1.4	1.4	1.6	1.2	1.3	1.9	2	-1	-3.7	-1.8	1.7	1.5	-1.7	-2.7
429182	-1.57	1.6	-1.2	1.1	1.8	-1.2	1.5	1.9	1.1	2.4	-3.8	-1	-1.4	-2.1	1.1	1	-1.8
826355	-1.57	1.8	6.3	-1.2	3.7	4.4	1.2	1.9	2.3	-1.3	-1.5	-1.3	1.4	-1	-1.8	-1.9	-1.9
34149	-1.57	1.2	1.5	2.2	2.1	1.5	1.8		1.2	2.1	-1.1	-1.3	-1.6			1.4	
746190	-1.56	2.3	1.1	1.6	1.5	1.4	1.1	1.1	1.7	1.7	-1.2	1.3	-1	-1	1.1	-1.4	1.2
131091	-1.56	1.9	1.8				2.1	1.4	1.9	-1.1	-2.2	-1	1.2	1.2	-1.3	-1.4	-1.4
665384	-1.56	1.4	2.2	3.1	2.5	2.2	-1.5	1	2.3	1.9	-1.5			-1.1	-2.1	1.1	-1.8
625683	-1.55	1.4	2.1	2	1.3	1.2	1.5	-1.1	1.4	1	-1.1	-1.2	-1.6	1	-1.9	1.1	1.2
1582738	-1.54	3.5	1.6	1.1	2.1	1.9	-1.7	4.8	-1.1	3.2	1.1	-1.2	-1.2	-1.1	-2.3	-2	-1.8
949988	-1.54	-1.7	-1	2.3	1.1	1	1.9	1.6	3.4	-1	-1	-1.1	-1.6	-1.8	-3.1	-1.5	-3.1
133213	-1.54	1.7	1.3	1.8	1.1	1.8	1	-1.4			-1	-1.1	-1.4	-2.1		-2	-2
1660666	-1.54	1.6	1.9	2.3	2	3.6	1.2	-1.1	-1.3	2.1	-1	1.1	0		-2	-2	-1.9
713158	-1.54	1.8	1.9	2	1.7	1.8	1	2	4.5		1.4	-1.4	-1		-1.6	-2.9	
1614140	-1.53	1.3	1.4				1.3	-1.5	2.1	1.1	-1	-1.2	-1.6	-1.4	-1.7	-1.7	-1.7
201890	-1.53	1	-1.5	2.4	1.1	-1.1	1.3	6.2	1.2	1.6	-1.7	-2.7	-1.6	1.1	-2	-1.9	-1.8
38925	-1.53	6.5	-1	1.1	1.6	2.6	-1.1	-1.3	2.1	5	-2.6	-1.5	-2	-1.8	-1.4	1.2	-1.5
511850	-1.53	2.1	1.3	1.1	1.3	1.7	1.5	-1	1.1	1.1	1.1	-1.6	1	1.2	-1.6	-1.1	-1.3
489489	-1.52	-1.8	2	3.1	1.8	1.5		1.2	1.9	1.9	-1.8	-1.9	-1.7	-1	-4.5	1.1	
825470	-1.52	2.2	-1.1	5.3	1.6	1	2.6	1.6	5.7	9	-1	1.3	-2.3	-1.3	1.1	1	-1.7
42831	-1.51	-1.3	3.6	3.6	2.3	1.3	3.6	1.8	3.4	2.3	-1.3	2.4	-1.3	-1.7	-1.1	1.5	-2.4
809784	-1.51	1.1	-1.5	9.4	1.5	1.1	4.3	3.1	1	-1	-1.9	-1.9	-1.1	-1.5	-4.2	-2	-1.4
730410	-1.51	-1.4		1.1	1.9	1.1	-1.6	2.2	4.3	1.4	1.2	-1.4	-1.8	-1.5	-4	-3.5	-3
810983	-1.51	1.9	2.8	2.2	1.3	1.2	-1.3	-1.3	1.6	-1.3	-1.6	-1.3	1.1	-1.4	-2.2	-1.4	-1.6
731223	-1.51	2.4	2	2.1	1.2	2.1	-1.7	1.1	-1	1.3	1.2	-1	-1.4	-1.7	-2.1	-1.5	-2.8
259017	-1.51	2.1	1.3	1.3	1.3	2	4.2	2.3	3.9	2	1.5	1.2	1.1	-1.5	-1.6	-1.2	1.8
340745	-1.50	2.1	2.4	1.9	1.8	1.3		-1.2	-1.2	1.2	-1.4	-1.6	-1.7	-1.3	-1.7	1.2	
746163	-1.50	1.2	1.7	2.7	1.9	1.8	1.7	1.3	1.7	2.1	1.3	-1.1	-1.2	1.9	1.2	-1.3	1.2
1466621	-1.50	1.6	1.1	1.4	2.1	1	1.2	1.3	-1.4	3.6	-1.3	1.1	-2.1	1	-2.6	-1.3	-1.5
809588	-1.50	1.1	1.2	2	1	-1.1	1.1	3.5	2.5	2.5	-6.2	1.5	-1.6	-3.8	1.5	-2.1	-2.2
813707	-1.49	1.2	1.9	1.3	9.1	1.9	5.4	3.2	1.3	1	-5.3	-4	-1.1	1.1	-1	-1.9	1.5
188335	-1.49	1.5	-1.4	1	1.5	1.1	-1.4	1.9	2.7	-1.3	-1.1	-1.9	-1.1	-1.1	-2.7	-3.5	-2.6
1493160	-1.49	1.1	15.9	8.9	1.9	10.2	1.7	45.9	83.6	1.3	1.9	-1.5	1	-1.3	-1.4	-1.9	-1
531886	-1.48	1.5	-1.3	1.2	1.5	-1.2	1.8	2.1	5.6	1.1	1.5	-1.4	-1.6	-1.7	-2.2	-3.3	-1.4

TOP SECRET

753428	-1.48	1.1	1	12.6	1.1	2.8	-1.2	-1.7	8	7.2	-1.5	-1.9	-1.4	-1.5	-4.1	-1.3	-4.7
897731	-1.48	1.1	1	-1.5	-1.2	1.1		1.1	2.7	1.5	-1.5	-1.8	-1.9	-2.1	-1.3	-1.4	
376551	-1.48	2.1	1.7	1.5	1.3	1.5	1.2	-1.1		2	1.3	-1.4	-2.7	-1		-1.2	-1.1
256907	-1.48	2.6	1.5	1	1	1.7	-1.2	4.4	1.2	3	1.1	-1.7	1.3	-1.4	-1.9	-1.1	-2.5
712139	-1.47	-1.7	2.1				1.5	2.2	2.5	-1.2	-3.3	-1.7	-1.5	-1.5	-6	-4.4	1.1
785368	-1.47	2.3	1.6	10.3	1.2	1.7	3.2	1.4	-1.2	1.5	0	1.1	-1.7	1.1	-1.5	-2.4	-1.9
825606	-1.47	1.5	1.6	5.6	-1.5	1.9	1.1	1.5	1.3	1.7	-1.3	-1.4	-2.1	1.1	-1.5	1.1	-2
531319	-1.47	1.6	1.9	4.1	2.1	-1.1	4.3	-1.1	5.5	-1.4	-3.9	-1.1	-3.1	1.3	-1.7	1.4	-2.4
66406	-1.46	1.4	1.7	8.4	1	1.3	2.7	2	3.8	1.6	-1.7	1.1	-1.5	1.5	-1.2	1.3	-2.9
470124	-1.46	1.1	1.8	-1	1.1	1.8	1	2.6	2.2	2.4	-1.5	-1.4	-2.4	1.3	-1.2	1.1	1.1